

HYGITECH

smart dental surgery solutions



**It's never been
so simple!**



Globally known...



More than **36 000 surgeons** around the world **trust us** and use our products for successful surgeries.



...and locally trusted

"I am satisfied with the quality of HYGITECH products. My favourite is the Duo Kit, it has everything I need for my surgeries. I trust HYGITECH and I warmly recommend it."
Dr. Andrea, United Kingdom

"I am very happy with HYGITECH products. I have ordered the PGA sutures and they are of a high quality at a reasonable price. I have also tested the cannulas and drapes and definitely recommend your brand to my colleagues."
Dr. Antonio, Italy

"HYGITECH has a wide range of high quality products at very competitive prices."
Dr. Ancuta, Germany

"The kits are perfect and correspond very well to our needs. You have everything you need in the HYGITECH kits."
Dr. Sitbon, France

Explore HYGITECH

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Our mission: facilitate your surgeries

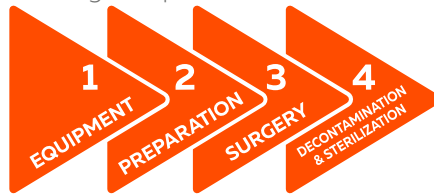
Thanks to our extensive research with key opinion leaders in the field, HYGITECH is a **prominent facilitator in the dental surgery industry**. Over a period of more than ten years, we have developed a product range that includes **all equipment necessary for dental surgery**.

Today we are the **leading supplier to dental surgeons** thanks to **four fundamental principles**:



Complete Range

HYGITECH offers all of the products necessary for dental surgery. To facilitate the preparation of surgery, our complete range is split into **four sections corresponding to the order of use during surgery**:



Efficiency

We are conscious of the **importance of time which must be devoted to the dental surgery preparation**. At HYGITECH, everything we do is so that the surgeon and their team can concentrate on surgery. All the rest becomes **easier!** With our clinical experience spanning more than ten years, **the solutions offered by HYGITECH will bring you the peace of mind required for the success** of each and every surgery.



Closeness

The HYGITECH team is **at your disposal to give an informed answer to all of your questions**. You can get in touch by post, telephone, email and on social networks. **HYGITECH is constantly improving its products and services** to make sure it fulfills the needs of its clientele.



Ingenuity

Since its beginning, HYGITECH has **offered products and services perfectly adapted to the needs and procedures** of the dental surgeon. It is possible, at the request of the dentist, to **personalise some of our products**, such as our surgical kits, our sutures, as well as our instruments through laser engraving. HYGITECH has also created **the Academy, a true mine of useful information** for all surgeons.



Quality and safety: our approach

HYGITECH commits to its clientele absolute safety for the dentist, their team and of course the patient. HYGITECH is certified ISO 13485:2003 and ISO 9001:2008.

The quality of our products

We guarantee that our products comply with European standards, which are the most demanding in the field. **All products concerned are marked CE when applicable, and comply with the European standard ISO 13485:2003.**

Furthermore, numerous quality control checks are conducted throughout manufacturing. Our quality control management is responsible for the traceability of our products, from the purchase of raw materials to their final use by the dental surgeon.

A company which is always bettering itself



HYGITECH is certified ISO 9001:2008 for the quality of our internal processes and promotes a standard of continued progress and development.

The quality management at HYGITECH is responsible for our internal and external quality control. All associates of HYGITECH must adhere to precise procedures and strict policies so that we maintain the highest possible quality of service. These consistent efforts allow us to achieve **optimal quality for all of our products and services**. This commitment to quality is present at every level: from production to order and final delivery.

Safety and traceability

Traceability can end up being a difficult procedure. It consists of keeping an accurate record of the life of each product, **from production and sterilisation, to its use in the surgery.**



Safety



Traceability



Storage efficiency

HYGITECH simplifies traceability by sticking four peel-off labels on each kit and two peel-off labels on each irrigation set, which clearly state all necessary information: batch number, reference number and expiry date.

—HYGITECH—
smart dental surgery solutions

My
Surgery
Box

My Surgery Box

**Peace of mind for
a successful surgery**

Choose from a wide range of products, carefully developed hand in hand with key opinion leaders and assembled in an easy to use three-part box.



My Surgery Box

Provides you with the freedom to create a product **that suits your unique needs and requirements.**

With HYGITECH's wide range of high quality products, the possibilities and benefits are endless :

- **Time spent is optimised**
- Stick to your own protocols for **an efficient surgery**
- If you are a distributor you can customise **the packaging to display your own text**, photos and/or logo (just ask for a quote)
- **Fast delivery**
- **Peace of mind**: no more forgotten items when ordering or during the surgery
- A more **comfortable and ergonomic** working environment
- **Competitive price**
- **Space optimisation**
- Efficient calculation of **your patient's surgery cost**

Everything you need for dental surgery but the implant.

To better facilitate your surgical practice, we have outlined three important steps:

STEP 1 **Preparation**

- surgery kit
- irrigation set
- saline solution pouch
- tube and suction cannula
- swabs

List not including all items

STEP 2 **Surgery**

- scalpel
- bone substitute
- membrane
- pins
- suture
- patient face wipes

List not including all items

STEP 3 **Post-OP**

Output patient bag content:

- a toothbrush
- a cold pack
- postoperative recommendations
- a mirror

List not including all items

All medical devices included in the My Surgery Box are in accordance with Directive 93/42/EEC and the ISO 13485 standard.

So simple to order My Surgery Box



Choose the products
you need for surgery.



Order your custom box
to our sales team



HYGITECH assembles
your box and delivers it
to you promptly.





Equipment

Furniture

Tables	12
Infusion stand	13
Trolleys	13
Kick bucket	13
Surgical cart	14

Instruments

Instruments	16
Pins	19

BRIDGE TABLE

Bridge tables simplify the work in the operating theatre. The drape-covered table is positioned over the patient and carries the instruments needed for the operation.

Made with durable stainless steel, the HYGITECH bridge table has a wide, solid surface which enables the dentist to have all materials needed for surgery at hand. The edges of the table have no lip, allowing the surgeon to grasp instruments easily.

Dimensions of the table tray: 60x90cm
Adjustable height: from 90cm to 180cm
Weight: 15kg



Ref. HY-90010



MAYO TABLES

Mayo tables are positioned directly next to the surgeon and support the irrigation motor during implant surgery. HYGITECH offers two Mayo tables that are **made of superior quality stainless steel**.

- **Easy to use:** the height is adjustable either manually or with a hydraulic foot pedal.
- **Maintenance** is made easy by their smooth surface.
- **Stability and security:** the tables have a wheel lock system to prevent them from moving during surgery.



STANDARD MAYO TABLE

Manually adjustable height from 74 to 117cm
Tray dimensions: 73x48cm
Weight: 13kg



Ref. HY-90016

MAYO TABLE WITH HYDRAULIC HEIGHT ADJUSTMENT

Adjustable height with a hydraulic foot pedal from 80 to 120cm
Tray dimensions: 60x43cm
Weight: 20kg



Ref. HY-90020



① INFUSION STAND

The infusion stand is ideal for irrigation during implant surgery.

Manual height adjustment: max. 2 meters

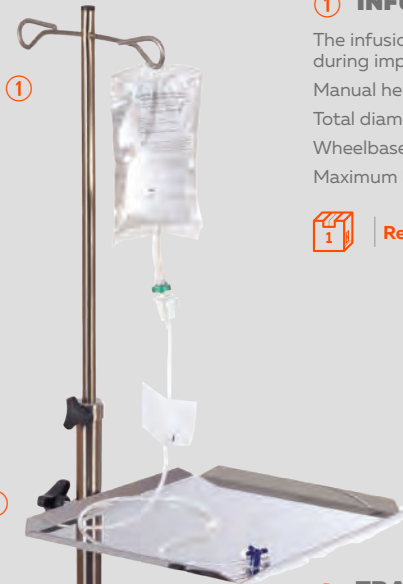
Total diameter: 30mm

Wheelbase: 52cm

Maximum load per hook: 6kg



Ref. HY-90070

**② TRAY FOR INFUSION STAND**

Practical support for an implantology motor during implant surgery.

Dimensions: 31.5x27.5cm

Maximum load: 15kg



Ref. HY-90075

②

③

③ SUPPORT FOR ASPIRATION POUCHES

Offers ideal support for suction waste pouches.



Ref. HY-90078

**TROLLEYS**

Easy to move: tube handle 25mm diameter

**TROLLEY WITH 2 TRAYS**

Tray dimensions: 60x40cm

Height between shelves: 52cm



Ref. HY-90030

TROLLEY WITH 3 TRAYS

Tray dimensions: 60x40cm

Height between shelves: 31cm



Ref. HY-90040

KICK BUCKET

HYGITECH waste bucket is made of stainless steel 18/10 AISI 304.

Great mobility: 4 wheels of 50mm diameter

Easy to clean: the bowl is detachable from its base

Capacity: 14L



Ref. HY-90090



SURGICAL CART

The ideal companion for the surgeon, this surgical cart meets two objectives:

- It improves the organisation of the office,
- It saves a considerable amount of time.

Two main points to guarantee optimal efficiency during surgery.

EASY TO USE AND ADAPTABLE

The HYGITECH surgical cart has two handles and four wheels to easily move the cart, as well as two brakes to stabilise it.

AVOID UNSIGHTLY CABLES!

The HYGITECH surgical cart can store electronic equipment such as the implant motor and therefore avoids tangled and messy cables.

TWO COLOURS AVAILABLE

This surgical cart is offered in two colours "pure white" and "pure white and cobalt blue".



Pure white
Ref. HY-90050



Pure white and
cobalt blue
Ref. HY-90052

CHARACTERISTICS:

- **Dimensions:** length 55.5cm x depth 62cm x height 95cm
- **Three shelves**
- **Maximum weight:** 100kg per shelf
- Anti-scratch surfaces, PVC coating
- Metal door (which opens to 270°) and access through the back
- **Two rods for infusion stand**
- **Autoclave support** for contra-angles or hand pieces
- **Extension cord and a multi-socket**

HYGITECH

ACADEMY

With HYGITECH, you are granted access to a wealth of valuable knowledge. We created **the Academy**, a **comprehensive and completely free collection of online information relevant to all surgeons.**



Videos



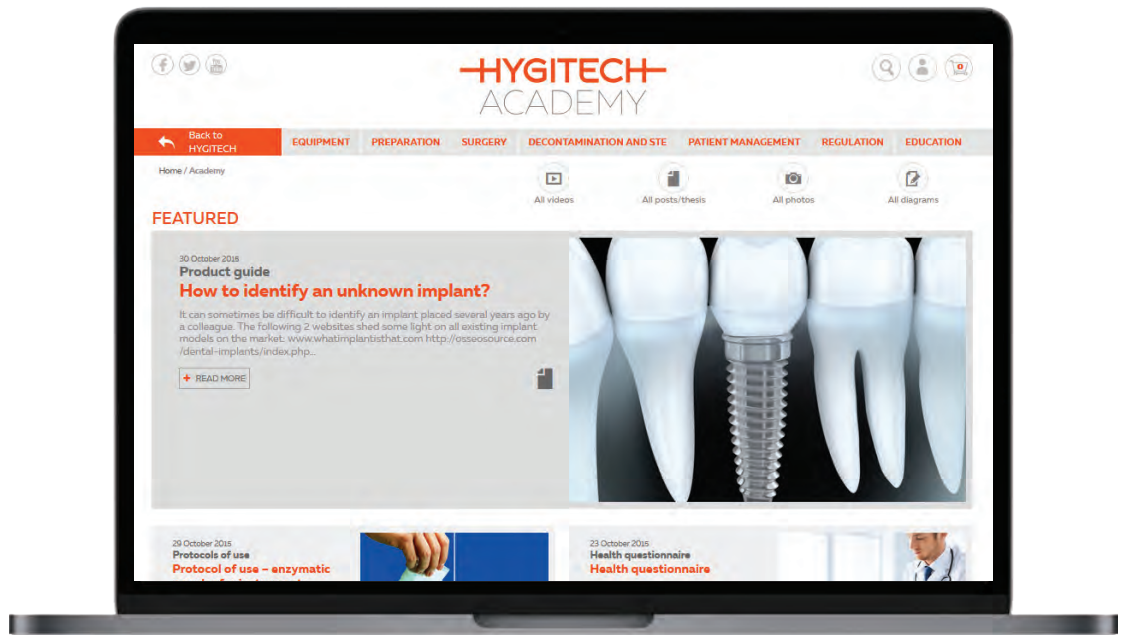
Articles



Photos



Schema



HYGITECH facilitates your surgeries

Visit www.hygitech-academy.com





Discover our complete range of instruments!

- A wide range of products catering every need
- Made in Germany
- Lifetime guarantee*



* On the condition that it is used appropriately

INSTRUMENTS

HYGITECH offers three groups of instruments:

1. Standard and essential instruments
2. Optional instruments for advanced surgery
3. Specialised instruments for sinus lift, periodontics and maxillofacial surgery



The range includes more than 400 instruments specific to dental surgery including:

- Bone grafting instruments
- Bone scrapers
- Cassettes
- Chisels
- Circular knives and tissue punches
- Curettes
- Gingivectomy and tunneling instruments
- Graduated measuring cups
- Impression trays
- Instruments for extraction
- Maxillofacial surgery instruments
- Meads
- Measuring instruments
- Mouth mirrors and handles
- Needle holders
- Osteotomes
- Periosteal and papilla elevators
- Pliers
- Retractors, tongue depressors
- Scalpel blades and holders
- Scissors
- Sinus lift instruments

Discover the whole range on our website: www.hygitech.com



PINS

HYGITECH Pins are used during **a guided bone regeneration operation**. They allow the fixing of both absorbable and non-absorbable membranes for as long as is needed for bone regeneration. **The pins require the combined use of a positioner** to allow their precise placement as well as **a case** to facilitate easy storage, sterilisation and clasp when using the positioner.



PIN

- Made of titanium, the HYGITECH pins offer great durability
- Available in two sizes, 3mm and 5mm: the 3mm pins are advised for most cases, while the 5mm pins are advised for better stabilisation where the bone may be soft
- Supplied in packs of 4 in a plastic box. Delivered non-sterile, but autoclavable.



Pin 3mm
Ref. HY-41003



Pin 5mm
Ref. HY-41005

PIN CASE

- The HYGITECH pin case stores the pins perfectly and facilitates their clasp when using the positioner
- Designed to ensure the optimal sterilisation of the pins in the autoclave
- Closure with a click-shut lid assures the safety of the pins inside
- 10 Spots for pins



Ref. HY-41007

PIN POSITIONER

- Easy retrieval of pins thanks to the positioner
- Grip at the tip allowing a better clasp
- Simple and precise insertion with only light pressure, with or without the surgical hammer
- Autoclavable



Ref. HY-41009



Preparation

Materials 22

Surgical kits

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Footwear	44

Environment protection

Surgical drapes	45
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Material colour code

Materials must be carefully selected for their effectiveness in particular applications. HYGITECH's R&D team works in partnership with end-users in order to assess their specific needs and select the most appropriate materials for each product.

The non-woven fabrics and crepe paper that are used for manufacturing HYGITECH products are described below. You will find this colour code all throughout the catalogue for your reference.

Absorbent and waterproof multi-layered material



#

Composition

This material is a combination of 2 different materials to ensure a high barrier effect:

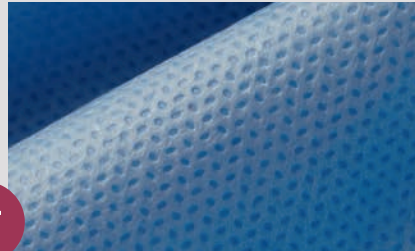
- One high absorbency layer: soft, viscose fabric (28g/m²)
- One laminated layer for total repellency: polyethylene (30g/m²)

Lamination is a melting process that joins the 2 layers.

Advantages & uses

Light, highly absorbent and waterproof material, ideal for high quality surgical drapes.

SMS Microfibre



#

Composition

Made of multiple layers of spun-bound and melt-bound polypropylene fibers to form an effective barrier against liquid and bacteria.

Advantages & uses

Light, highly resistant, breathable and with excellent coverage, this material is suited for the production of superior quality surgical gowns.

Waterproof crepe paper



#

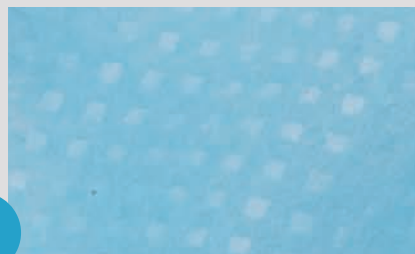
Composition

High quality paper.

Advantages & uses

Waterproof, highly resistant and suitable for use as paper table covers.

Polypropylene liquid repellent non-woven material



#

Composition

Made of soft bound polypropylene fibers with a micro-hole structure.

Advantages & uses

Soft and light, the ideal material for short-procedure surgical gowns and patient gowns.



PROTECT KIT


The Protect kit is HYGITECH's best selling kit. It's designed to meet the needs of any type of implant surgery and comprises all necessary protection for 3 people.




Ref. HY-0871


The kit is composed of 45 items:

- 1**





2


- 3**





4


- 5**





6


- 7**




8


- 9**




10


- 11**


12

13



- 14**

15
- 16**


17
- 18**


- 19**

20
- 21**



22



*Please check on page 22 for colour code


























PROTECT EXTEND KIT

The Protect Extend kit responds to all needs of implant surgery. You can now add to our best seller Protect kit three elements which are essential to any surgery: an universal irrigation set, a suction tube, a Yankauer cannula and a 2.5mm tip cannula with its adaptor.



Ref. HY-099

The kit is composed of 49 items:

- 1  4 Polyethylene gloves
- 2  3 Pairs of overshoes
- 3  1 Tube support with adhesive
- 4  1 Bouffant cap
- 5  2 Tie-on masks
- 6  1 Surgical hat
- 7  1 Protective PVC X-ray cover
- 8  2 Sterile brushes with nail cleaners
- 9  6 Paper hand towels
- 10  1 Wrapping paper
- 11  3 Surgical gowns with cotton cuffs
- 12
- 13
- 14  1 Surgical drape (75x75cm)
- 15  1 Surgical drape for bridge table (90x120cm)
- 16  2 Protective sleeves for tubing (8x120cm)
- 17  1 Adhesive film (5x80cm)
- 18  2 Elastic cap handle covers
- 19  1 Surgical drape with aperture and adhesive (70x100cm)
- 20  1 U-shaped surgical drape with adhesive (100x150cm)
- 21  2 Adhesive protective covers for control panel
- 22  3 Non-latex elastic bands
- 23  1 Surgical aspiration with cannula
- 24  1 Universal irrigation system
- 25  1 Surgical cannula 2.5mm with adaptor

*Please check on page 22 for colour code













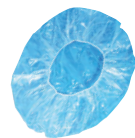







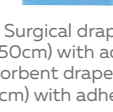








PROTECT PLUS KIT

The PROTECT PLUS kit is HYGITECH's most comprehensive kit, offering a variety of products to ensure the full protection of the surgery, including drapes and clothing for the surgeon, assistant and patient.

 | Ref. HY-098

The kit is composed of 58 items:

- 1  4 Polyethylene gloves
- 2  3 Tie-on masks
- 3  2 Surgical hats
- 4  3 Bouffant caps
- 5  1 Patient gown with cotton cuffs
- 6  2 Surgical gowns with cotton cuffs
- 7  1 Pair of overshoes
- 8  2 Pairs of non-slip overshoes
- 9  2 Sterile brushes with nail cleaner
- 10  4 Paper hand-towels
- 11  2 Saliva ejectors
- 12  3 Adhesive protective covers for control panel
- 13  1 Protective PVC X-ray cover
- 14  2 Adhesive films (5x80cm)
- 15  1 Chair cover with 6 ties
- 16  4 Protective sleeves for tubing (8x120cm)
- 17  3 Non-latex elastic bands
- 18  2 Elastic cap handle covers
- 19  1 Tube support with adhesive
- 20  1 Surgical drape (150x150cm) with adhesive
- 21  1 Absorbent drape (150x150cm) with adhesive
- 22  2 Surgical drapes (100x100cm) with adhesive
- 23  1 Surgical drape with aperture and adhesive (70x80cm)
- 24  1 Surgical drape with aperture (70x80cm)
- 25  2 Ice bags
- 26  1 Plastic bag (50x80cm)
- 27  1 Wrapping paper

*Please check on page 22 for colour code



START KIT

The START kit is a great starter kit for light or heavy implantology procedures.

 | Ref. HY-092

The kit is composed of 32 items:



*Please check on page 22 for colour code

FOCUS ON EUROPEAN NORM EN 13795



The broad aim of EN 13795 is to establish a recognised European standard of quality and conformance to manufacturing, testing and performance specifications for all single-use and multiple-use surgical drapes and gowns.

All surgical gowns and drapes offered by HYGITECH comply with the EN 13795 norm.





HYGITECH KIT

The HYGITECH Kit is composed of every item needed to dress the surgeon, assistant and patient. It also offers more drapes than the PARO kit.

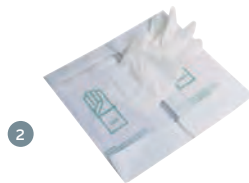


Ref. HY-095

The kit is composed of 20 items:



2 Pairs of latex, powder-free gloves, size M



1 Pair of latex, powder-free gloves, size L



3 Tie-on masks



1 Surgical hat



2 Bouffant caps

6 7 8



3 Surgical gowns with cotton cuffs



2 Surgical drapes (50x62,5cm)



1 Surgical drape (75x100cm)

*Please check on page 22 for colour code



1 Surgical drape with aperture (50x60cm)



1 Wrapping paper

EXCLUSIVE!



4 Peelable labels are stuck on each kit to make it easier to keep traceability records. In addition, 2 of the stickers have bar codes which help the dental practice effectively manage its stock.



IMPLANFIELD KIT

The IMPLANFIELD kit is designed for protecting the operating theatre. It contains everything you need to efficiently cover a large surface area. The IMPLANFIELD kit is complementary to the IMPLANWEAR kit, which contains all protective clothing for the operation.



Ref. HY-0861

The kit is composed of 25 items:

- 1 4 Polyethylene gloves
- 2 2 Surgical drapes (75x75cm)
- 3 1 Surgical drape for bridge table (90x120cm)
- 4 1 Surgical drape (100x180cm)
- 5 1 U-shaped surgical drape with adhesive (100x150cm)
- 6 1 Surgical drape with aperture and adhesive (75x90cm)
- 7 3 Protective sleeves for tubing (8x120cm)
- 8 3 Non-latex elastic bands
- 9 1 Tube support with adhesive
- 10 2 Adhesive films (5x80cm)
- 11 2 Elastic cap handle covers
- 12 1 Protective PVC X-ray cover
- 13 1 Adhesive protective cover for control panel
- 14 1 Plastic bag (50x80cm)
- 15 1 Wrapping paper

*Please check on page 22 for colour code



IMPLANWEAR KIT

The IMPLANWEAR kit is intended for heavy implant surgeries involving a surgeon, assistant and patient. It contains all clothing needed to protect three people.



Ref. HY-0851

The kit is composed of 28 items:



1 3 Tie-on masks



2 2 Surgical hats



3 3 Bouffant caps



4 1 Surgical gown with cotton cuffs



5 6 2 Surgical gowns with cotton cuffs for the assistant and the patient



7 2 Pairs of non-slip overshoes



8 1 Pair of patient overshoes



9 2 Surgical brushes with nail cleaners



10 6 Paper hand towels



11 1 Wrapping paper

*Please check on page 22 for colour code



ALL HYGITECH KITS ARE ASSEMBLED IN A WHITE ROOM

A white room is a controlled environment, where the number and size of particles per cubic meter are carefully measured. The air that enters from outside is filtered to exclude dust and is constantly circulated through high-efficiency particulate air filters.



DUO KIT

The DUO kit is the kit needed for dressing both the surgeon and their assistant. Some environmental protection is also included, making this kit perfect for all kinds of procedures.



Ref. HY-091

The kit is composed of 32 items:



1 4 Polyethylene gloves



2 2 Tie-on masks



3 1 Surgical cap



4 2 Bouffant caps



5

1 Surgical gown with cotton cuffs



6

1 Surgical gown with cotton cuffs for the assistant



7

2 Pairs of overshoes



8

1 Surgical brush with nail cleaner



9

4 Paper hand towels



10

1 Surgical drape (75 x 75cm)



11

1 U-shaped surgical drape with adhesive (80 x 100cm)



12

2 Protective sleeves for tubing (8 x 120cm)



13

3 Non-latex elastic bands



14

2 Elastic cap handle covers



15

1 Adhesive protective cover for control panel



16

1 Wrapping paper

*Please check on page 22 for colour code



PARO KIT

The PARO kit is specifically designed for preventing cross-infection during your short routine procedures: tooth extraction, parodontology...



Ref. HY-0881

The kit is composed of 13 items:



1

1 Tie-on mask



2

1 Surgical hat



3

1 Bouffant cap



4

1 Surgical gown with cotton cuffs



5

1 Pair of overshoes



6

1 Surgical brush with nail cleaner



7

2 Paper hand towels



8

1 Surgical drape with aperture and adhesive (70x100cm)

*Please check on page 22 for colour code



9

1 U-Shaped surgical drape with adhesive (80x100cm)



10

1 Wrapping paper

USING KITS HAS BEEN PROVEN TO BE SIGNIFICANTLY TIME AND COST-SAVING

With **only one package to open**, our kits significantly reduce the time spent both preparing for surgery and cleaning the room post-surgery.

In addition, with a **higher patient turnover and less staff overtime**, these kits also reduce costs.

In order to save even more time, you might consider the idea of having a **personalised kit made for your practice**. This way the hygiene kit will precisely suit your surgical room set-up protocol.





SURGEON KIT

The SURGEON kit is specifically designed for surgeries with the surgeon operating on their own. It contains all protective clothing needed for the surgeon, as well as a surgical brush and towels.



Ref. HY-042

The kit is composed of 12 items:



1

1 Tie-on mask



2

1 Surgical hat



3

1 Bouffant cap



4

1 Pair of overshoes



5

3 Paper hand towels



6

1 Surgical gown with cotton cuffs



7

1 Surgical brush with nail cleaner



8

1 Wrapping paper

*Please check on page 22 for colour code



WRAPPING CREPE PAPER USES

All HYGITECH implantology kits are wrapped in a sterile waterproof crepe paper, which can be used to cover tables or any other furniture if extra covering is needed.



VISIT KIT

The VISIT kit is specifically designed for short dental procedures. It contains comprehensive protective clothing for either the surgeon, the assistant or the patient.

 | Ref. HY-0381

The kit is composed of 10 items:



1 Tie-on mask



1 Surgical hat



1 Bouffant cap



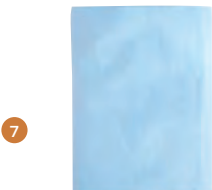
1 Surgical gown with cotton cuffs



1 Pair of overshoes



3 Paper hand towels



1 Wrapping paper

SMART CONTENT!



All of the products in the kit have been strategically assembled to simplify the preparation of the surgery and minimise the risk of cross-infection when opening the kit.

*Please check on page 22 for colour code



RECEIVE
A TEST KIT
FOR FREE

1 ASSEMBLE

Choose and assemble the components

A wide range of components

Set up your own kit according to your needs, starting from 5 different components

2 PERSONALISE

Customise the packaging

Customised packaging

Add your company name and logo

3 ORDER

Receive your personalised kits

Quick delivery

Your kit will be assembled promptly and delivered to your desired location

The advantages of personalisation



Efficiency

Allows dentists to stick to their established protocols



Improved productivity

Quality of Work

As the contents are hand picked, they are perfectly suited to the needs of the team



Better working environment

Time Saving

Eliminate unnecessary or unwanted items from your order and minimise waste



More time for the patient



Choose the elements of individual protection:



GLOVES

- Non-powdered latex
- Non-powdered neoprene

5 Sizes:

- 6
- 6.5
- 7
- 7.5
- 8



HAND TOWELS

- Standard
- Highly absorbent



SURGICAL HAT

- Standard protection
- With 2 ties



ASTRONAUT CAP

- Ultimate protection
- With 2 non-woven ties



SURGICAL GOWN

- With 2 hand towels

4 Sizes:

- S
- M
- L
- XL



NAIL BRUSH

- With nail cleaner



MASKS

- Tie-on
- With elastic loops and eye shield
- With elastic loops

4 Colours:

- Green
- Blue
- White
- Pink



BOUFFANT CAP

- Superior protection

2 Colours:

- White
- Blue



OVERSHOES

- Standard protection
- With anti-slip sole



ISOLATION GOWN

- For shorter procedures

4 Sizes:

- S
- M
- L
- XL



DRAPES FOR PATIENT

- U-Shape
- 75x90cm
- 100x150cm



- With hole
- 45x60cm
- 75x90cm
- 100x160cm

Environment protection and accessories:



DRAPES

- Standard:
 - 35x50cm
 - 50x75cm
 - 75x90cm
 - 90x120cm
 - 120x150cm
 - 150x180cm
- With adhesive:
 - 100x120cm
 - 120x150cm
 - 150x180cm



SLEEVES

- 45mm wide x 50cm long
- 55mm wide x 45cm long
- 8cm wide x 120cm long with cardboard for easy application



EQUIPMENT PROTECTION

- X-ray cover
- Lamp handle cover



HEADREST COVER

- White non-woven



CHAIR COVER

- Universal size

- 2 Colours:
- White
 - Blue



ADHESIVES

- 8x40cm tape
- 16x22.5cm protection film



IRRIGATION SETS

- Nobel
- NSK
- W&H
- Nouvag
- Universal
- Kavo
- Straumann
- Biomet
- 3I
- Friadent



ASPIRATION

- Tube
- Cannula:
 - 1.2mm
 - 2.5mm
 - 4mm
- Aspiration set with 4mm cannula



3 INSTRUMENT SET

- 1 Mouth mirror
- 1 Probe
- 1 Pair of tweezers



CUPS

- 60ml
- 120ml
- 250ml



ACCESSORIES

- Dental tray 26x16cm
- Foam spatula
- Scalpels
- Kocher forceps
- Swabs
- Ice bag: minigrip bag 16x22cm



EXAMINATION KITS

A surgeon's time is precious. In order to help surgeons and assistants **focus on their patients and spend less time** cleaning instruments, HYGITECH designed two types of sterile and disposable examination sets. The mirror is also available individually, should the surgeon need it.

Advantages:

- **Highly precise:** the instruments are comfortable to use with plastic handles. Both the probe and tweezers have high-precision stainless steel tips.
- **Ready to use:** all the necessary instruments for the patient's examination in ONE set. Eliminate the need to set up a tray!
- **Time-saving:** no more need to disinfect, autoclave and package instruments.
- **Cost-efficient:** for increased productivity and savings on autoclave and disinfectant costs.

3 INSTRUMENT SET

Ideal for short procedures or simple patient visits.

Packed in a transparent plastic peel pack tray, which provides easy identification of contents.

Content: 1 mouth mirror, 1 probe, 1 pair of tweezers.

Smart kit: 3 pieces with tools on each side = 6 instruments!



② Sterile single use



Ref. HY-130012

STERILE MIRROR

Single use sterile mirror, 21mm diameter with anti-fog treatment. Handle length: 14cm.

Advantages:

- Bright and clear reflection: the mirror is made of rhodium, therefore image is reflected only once.
- Convenient: ideal angulation (30°).



② Sterile single use



Ref. HY-130010

11 INSTRUMENT SET

Comprehensive examination set with a ready-to-use tray for all kinds of procedures.

Packed in a transparent plastic peel pack tray.

Content: 1 tray, 1 mouth mirror, 1 probe, 1 pair of tweezers, 1 ear-loop mask, 1 tissue/wipe, 2 cotton rolls, 1 spatula, 1 saliva pump.



② Sterile single use



Ref. HY-130025

HATS AND CAPS

The scalp and hair are a source of bacteria when carrying out surgery. HYGITECH offers a range of caps and headwear that will ensure maximum hygiene, fulfilling its mission to protect the surgeon, assistant and patient against cross-contamination.

Advantages :

- **Comfortable material:** made of water-repellent non-woven fabric
- **Soft, light, hypoallergenic and breathable protection** for the whole day
- No marks left on the skin whether the cap is attached by elastic bands or ties
- Packaged in convenient cardboard dispensers

● WHITE BOUFFANT CLIP CAP

Superior protection:

- It holds back loose hair from the face and is ideal for people with long hair
- Double elastic placed inside a non-woven sleeve: ultimate comfort
- Compact shape when unused which makes it easy to store (18x2cm)
- Simple and quick to put on



Ref. HY-50016



● SURGICAL CAP WITH TIES

Standard protection:

- It holds back loose hair from the face
- There are two non-woven ties at the back to secure the cap firmly



Ref. HY-50013



● NON WOVEN BOUFFANT CAP

Intermediate protection:

- It holds back loose hair from the face
- Ideal for people with long hair



Ref. HY-50015



● ASTRONAUT CAP

Ultimate protection:

- Recommended for long or high-risk surgeries
- It holds back loose hair and is ideal for medium to long hair
- Fixed with 2 non-woven ties for the best protection and comfort
- Head, neck and ears are protected, only the face remains uncovered



Ref. HY-50018

*Please check on page 22 for colour code

EYEWEAR

Clear vision is essential for practicing dental surgery. To help achieve this, Hygitech responds to the surgeon's needs by giving optimal protection during dental procedures.

- **Perfect view:** the clear shields are treated against fog and scratches.
- **Full field of vision:** the product is designed for freedom of movement.
- Can be worn over prescription glasses.



FACE SHIELD

Intermediate protection:

- All in one autoclavable frame and single use visors packed individually
- Convenient: vertical inclination
- Lightweight: 22g
- Frame available in 3 colours: white, blue, pink



White frame
Ref. HY-07001



Blue frame
Ref. HY-07002



Pink frame
Ref. HY-07003



Single use visors
Ref. HY-07009

FACE MASK WITH VISOR

Full face protection:

- Comfortable fit: high quality 3-ply mask with earloops and adjustable nosepiece (EN 14683 standard)
- Very clear vision: perfectly transparent polycarbonate visor
- Odourless, latex free



Ref. HY-07011

PROTECTIVE ANTI-UV GLASSES

- Single piece frame for the best eye protection
- Full lateral protection
- Lightweight: 36g



Ref. HY-07015

LOUPE X2.5 OR X3.5

Perfectly adjustable around the head, the loupe's ergonomics offer true comfort and incomparable ease of use.

Weight: 70g



Magnification x2.5
Ref. HY-07104



Magnification x3.5
Ref. HY-07106



CLOTHING

Due to cross-contamination issues, **surgical gowns are essential to surgery.**

The implantologist has two options: traditional, reusable clothes (which require highly controlled laundry and sterilisation) or the easier and more cost-effective method of wearing single use, disposable gowns.

The **benefits of HYGITECH disposable protective clothing :**

- Perfect protection against bacteria.
- **Water-repellent:** maximum safety for the medical team.
- **Excellent comfort** for every day use: made of soft, non-woven fabric. All gowns have smooth cotton cuffs and some models also offer hand towels for your convenience.

• **Complete freedom of movement** thanks to the HYGITECH ergonomic T-cut design.

- **Convenient:** diagrammatic stickers indicate the best way to put the gown on.

All gowns open at the back and attach at the neck and waist.

The gowns are folded and packaged to be easily put on.

● SURGICAL GOWN WITH 2 HAND TOWELS

Superior surgical gown, sterile SMS Microfibre, 45g/m², complies with European norm EN 13795-3:

- Surgically folded
 - Double internal and external side ties on the waist (4 ties total)
 - 2 Hand towels provided
 - Velcro strap fit hypoallergenic cotton cuffs
 - 45g crepe paper
- EO sterilised with a 3 year shelf-life

② Sterile single use



S

Ref. HY-503



M

Ref. HY-502



L

Ref. HY-501



XL

Ref. HY-500

*Please check on page 22 for colour code

● ISOLATION GOWN

Standard isolation gown with cotton cuffs made from polypropylene, 30g/m², ideal for non-invasive, short routine procedures and daily use.

🗑️ Single use

Non sterile



S

Ref. HY-518



M

Ref. HY-519



L

Ref. HY-520



XL

Ref. HY-521

Sterile



S

Ref. HY-50027



M

Ref. HY-50029



L

Ref. HY-50031



XL

Ref. HY-50033

*Please check on page 22 for colour code



DID YOU KNOW?

HYGITECH isolation gowns are made of soft bound polypropylene fibers with a micro-hole structure. Soft and light, it is the ideal material for short procedures and ensures an effective barrier for both medical operators and patients.









V-NECK PYJAMAS

V-neck tunic with short sleeves, one pocket on each side.
 Bottom: trousers with internal waistband and tie for maximum comfort.
 Available in 4 sizes for the best fit.

Ⓜ Non sterile, single use

-  **S**
Ref. HY-54001
-  **M**
Ref. HY-54003
-  **L**
Ref. HY-54005
-  **XL**
Ref. HY-54007



STANDARD ABSORBENCY TOWEL

Standard quality: white, soft, high quality wadding paper towels.

Ⓜ Sterile single use

 **Sets of 2**
Ref. HY-70113

HIGHLY ABSORBENT TOWEL

Superior quality: white, very smooth and soft, thicker paper hand towel.

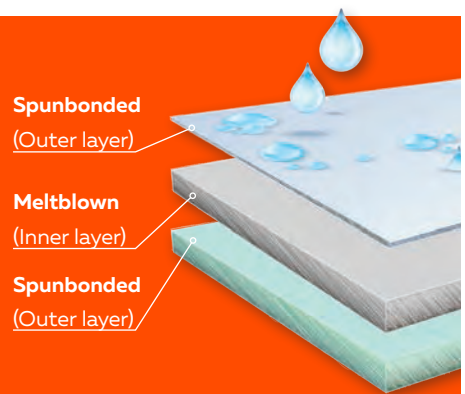
Ⓜ Sterile single use

 **Ref. HY-70115**

*Please check on page 22 for colour code

SMS : A 3-LAYER MATERIAL

The SMS (Spunbound-Melted-Spunbound) is composed of 3 layers, guaranteeing a highly effective barrier against cross-contamination.
 Light, highly resistant, breathable and with excellent coverage, this is the optimum material for producing high quality surgical gowns.





FOOTWEAR PROTECTION

To keep bacteria out of the surgery, HYGITECH provides a range of overshoes.

Advantages :

- Comfortable: all of our overshoes are made from a polypropylene non-woven fabric.
- Their elasticated top makes them easy to slip on.
- Size: universal, one size fits all.

● NON WOVEN OVERSHOES

Standard protection: non-woven

● NON-SLIP OVERSHOES

Superior quality: non-woven with a PE anti-slip, waterproof sole



Ref. HY-50017



Ref. HY-50019

● DECONTAMINATING MAT

The surgeon, the assistant and the patient all have the potential to bring dust and bacteria into the operating room. To prevent the spread of bacterial contamination between rooms, HYGITECH has created a mat with an acrylic sticky surface treated with a substance which attacks and neutralises the bacterial content present in the residues retained by the mat.

The mat contains 30 disposable sheets. Simply peel off and dispose of each sheet when dirty.

Advantages:

- Non-slip PVC base.
- Numbered layers to check the remaining quantity.



Ref. HY-058



*Please check on page 22 for colour code

STERILE DRAPES

These are used to ensure the surgical area is free from contamination. HYGITECH offers a wide range of disposable surgical drapes. These high quality products are made of 2 layers:

- 1 Absorbent spunlace layer (28g/m²)
- 1 Waterproof PP layer (30g/m²)

All drapes are EO sterilised and packed individually.
3 Year shelf-life.

HYGITECH offers 3 different types of drapes.

⊗ Sterile single use



● SURGICAL DRAPES - STANDARD

Protect the equipment, tables and the patient's chest and shoulders.

Standard waterproof absorbent surgical drape.

WITHOUT ADHESIVE:

-  35x50cm
Ref. HY-523
-  50x75cm
Ref. HY-525
-  75x90cm
Ref. HY-604
-  90x120cm
Ref. HY-607
-  120x150cm
Ref. HY-609
-  150x180cm
Ref. HY-612

WITH ADHESIVE:

-  100x120cm
Ref. HY-630
-  120x150cm
Ref. HY-632
-  150x180cm
Ref. HY-634


● SURGICAL DRAPES - U SHAPED WITH ADHESIVE

Cover the patient and keep his eyes uncovered.

U-shaped cutout on the shorter side with adhesive for ease of positioning and fixing around the collar.

Size of the U cutout: diameter 11.5cm, height 10cm.

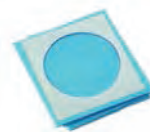


-  75x90cm
Ref. HY-60010
-  100x150cm
Ref. HY-60025

● SURGICAL DRAPES WITH HOLE AND ADHESIVE

Cover the patient and keep their eyes covered.

Drape with an oval opening of 10.5x12cm with adhesive around the centre of the drape for ease of positioning and fixing over the patient's face and mouth in particular.

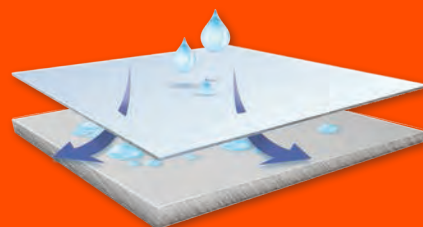


-  45x60cm
Ref. HY-60029
-  75x90cm
Ref. HY-60031
-  100x160cm with an off-centered hole
Ref. HY-620

A LOOK INTO... SURGICAL DRAPE MATERIAL

All HYGITECH surgical drapes are made of 2-layer absorbent and fluid-repellent nonwoven material.

The top layer of HYGITECH surgical drapes is made of absorbent viscose. The bottom layer is polyethylene foil, which guarantees the best protection and safety for the whole surgical team.



*Please check on page 22 for colour code



NON STERILE SLEEVES WITH ADHESIVE

Polyethylene protection sleeves cover handpieces, tubes, turbines and contra-angles.

- Convenient: packaging makes them easy to tear-off
- Easy to set up
- Preserve the tactile sensation of the surgeon while handling equipment: manufactured in a flexible and adherent material

② Non sterile single use



Box of 250 sleeves
Ref. HY-066

The sleeve's dimensions allow the protection of tubing 90cm in length and 8.5cm in width.

The sleeves contain an adhesive which provides good grip on the tubing.

STERILE SLEEVES

Sterile sleeves provide excellent protection for tubing while guaranteeing the best sanitary conditions.

This disposable PVC sleeve, specifically designed for implantologists, is both:

- **Easy to put on:** on account of its user-friendly packaging. An inner card enables the operator to extend the sleeve without having to touch the tube
- **Easy to secure** using the latex-free elastic bands supplied

Dimensions correspond to standard tubing size: 120cm long x 8cm wide.



② Sterile single use



1 single sleeve
Ref. HY-138



Sets of 2 sleeves
Ref. HY-139

45MM WIDE SLEEVES FOR TURBINES

Length: 45cm, 1.5cm wide conical end

② Non sterile single use



Roll of 250 sleeves
Ref. HY-060



55MM WIDE SLEEVES FOR CONTRA-ANGLES, HANDPIECES AND WATER/AIR SYRINGES

Length: 45cm, 1.5cm wide conical end

② Non sterile single use



Roll of 250 sleeves
Ref. HY-062

DENTAL CHAIR COVERS

Dental chair covers provide an effective barrier against bacteria, protecting the patient from cross-infection. HYGITECH supplies both sterile and non-sterile chair covers.

Benefits:

- For the surgeon: it is cost effective as these covers reduce the need to use disinfectants and protect the dental chair from bacteria, increasing the lifespan of the chair.
- For the patient: it is comfortable and waterproof. It creates a pleasant looking and hygienic environment, giving the patient a feeling of safety and cleanliness.



● NON WOVEN DENTAL CHAIR COVERS

Convenient: a single, universal, easy-to-use cover for all 3 parts of the dental chair (with 6 fixing straps).

Universal size 80x200cm, compatible with all brands of dental chairs.

📦 Single use

NON STERILE



Blue
Ref. HY-60033



White
Ref. HY-60035

STERILE



Blue
Ref. HY-60040



White
Ref. HY-60042



● NON WOVEN HEADREST BOUFFANT COVER

The most comfortable solution for the patient:

- Effective waterproof protection
- Bouffant cover with elastic: easy to adjust on the headrest without disturbing the handle
- Qualitative product that gives the surgery a hygienic look

Universally sized, 24cm diameter.

📦 Non sterile single use



White
Ref. HY-60060



PVC HEADREST COVER

The most cost-effective solution.

Advantages:

- Convenient: the dispenser box makes them easy to tear-off
- Attaches well to the headrest
- Other possible uses: can also cover the X-ray tube

Dimensions: 23cm wide x 30cm long.

📦 Non sterile single use



Roll of 250 covers
Ref. HY-064

*Please check on page 22 for colour code



PROTECTION FILMS

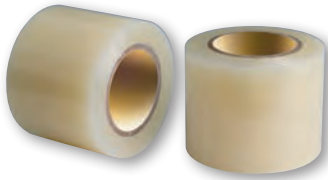
In order to prevent cross-contamination, all surfaces that are likely to be touched by the medical team during the surgery should be covered. Protection film helps fight cross-contamination by isolating all surfaces that are impossible or difficult to autoclave, such as: dental light handles, computer mice, computer control panels, keyboards and telephones.

Advantages:

- **Convenient:** easy to tear off and apply,
- Its delicate adhesive layer makes protective film **easily removable** without damaging your equipment or walls.

NON-STERILE ADHESIVE PROTECTION

Supplied as a roll of 10x14.5cm pre-perforated adhesive sheets, presented in a dispenser box.



② Non sterile single use



Roll of 1200 sheets: white
Ref. HY-055



Roll of 1200 sheets : blue
Ref. HY-057

STERILE ADHESIVE PROTECTION

Supplied as a set of 5 sheets.
Dimensions of each sheet: 16x22.5cm



② Sterile single use



Sets of 5 sheets: blue
Ref. HY-05702

INFORMATION ON NOSOCOMIAL INFECTIONS

Infection occurring after a visit or a surgery in hospitals and other healthcare settings is an issue for health services around the world. It has been recognised that the use of disposable protection devices is a barrier to nosocomial infections.

In the European Union, it has been estimated that there are approximately 3 million healthcare associated infections and 50,000 attributable deaths per year.

Source: European Commission, Health & Consumer protection, directorate C, Public consultation on strategies for improving patient safety by prevention and control of healthcare-associated infections.



EQUIPMENT COVERS

Provide waterproof protection for surfaces and an effective barrier to fight against cross-contamination of autoclavable elements.

By protecting against bacteria and viruses, the need for disinfectants is reduced, which results in longer lasting equipment.

TRANSPARENT DRAPE WITH ADHESIVE

- One waterproof layer of polyethylene (65g/m²)
- Dimensions: 40cm x 50cm
- Adhesive: located along the width of the drape (40x5cm)

☒ Sterile single use



Ref. HY-05902



X-RAY COVER

This PVC bouffant cover offers maximum protection against cross-contamination when covering your x-ray material, microscopes or dental lights.

Internal diameter: 20cm
External diameter: 50cm

☒ Sterile single use



Ref. HY-63115



PREVENTING NOSOCOMIAL INFECTIONS:

- **Strict hand hygiene** (e.g. use of an alcohol-based hand lotion).
- **Protection of medical staff** from healthcare-associated pathogens (e.g. with vaccination and protective clothing).
- Procedures for **cleaning, sterilising and disinfecting** instruments and equipment.
- Use of **disposable medical devices**.
- Routine maintenance of **healthcare equipment, patient environment, linen and waste**.





Surgery

Irrigation

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55

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70

IRRIGATION DEVICES

Oral irrigation is crucial to implantology surgical procedures, and **ensures the success of the operation**, by preventing too much heat to develop within the bone due to friction of the bur.



SALINE SOLUTION POUCHES

Saline water solution for irrigation. 0.9% Sodium chloride concentration.

⊗ Sterile single use



250 ml

Ref. HY-80111



500 ml

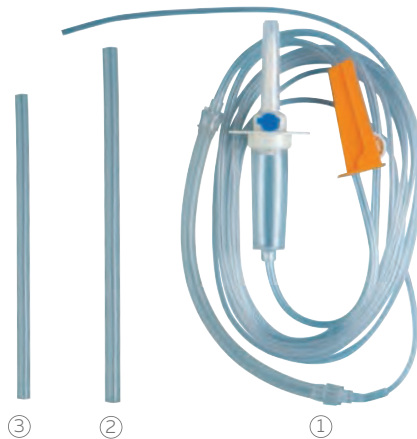
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UNIVERSAL IRRIGATION SET 1 WAY

UNIVERSAL** 1 WAY: compatible with ANTHOGRYR, FRIEDRICHFELD, FRIADENT, KAVO, NOUVAG, STRAUMANN and BIEN AIR motors*.

Supplied with 3 silicone clips:

- ① Length 16cm, internal diameter 4mm, external diameter 7mm
- ② Length 15cm, internal diameter 4mm, external diameter 6mm
- ③ Length 13cm, internal diameter 3.1mm, external diameter 4.9mm



⊗ Sterile single use



Ref. HY-110054

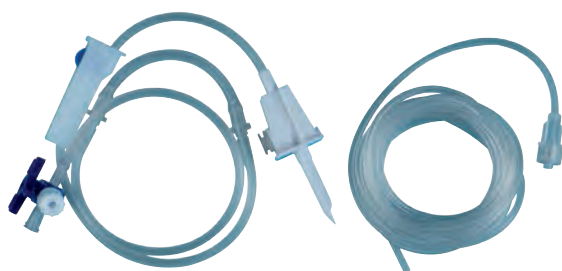
** Under certain conditions. HYGITECH cannot be held responsible for incompatibility with equipment.

THE ERIKSSON EFFECT

In 1983, Eriksson and Albrektsson carried out an experiment on a rabbit's tibia. This proved that **exposure to a temperature of 47°C for more than a minute affects the long-term healing of the bone** and eventually the fibro-integration of the implant, making it necessary to be removed.

During the preparation time of the future implant's area, a rotation speed of lower than 2000 rpm along with **generous amounts of irrigation are recommended for experts in order to drill at a temperature of around 30°C**. The irrigation all around the drill has an impact of lowering the temperature by 10°C.





IRRIGATION SETS

With dental surgeons using two kinds of irrigation - external and internal, HYGITECH offers irrigation kits that answer both needs, as well as 1-way and 2-ways systems.

It is essential that the silicone tubes are compatible with the implant motors. This is why we manufacture many irrigation set models, to offer optimum compatibility.

Irrigation set range is EO sterile and has a 3 year shelf-life.

* All the brands mentioned below are the Trademarks® of the respective manufacturers.

⊗ Sterile single use

MANUFACTURER*	MODEL*	REF.
W&H	Elcomed	HY-110005
W&H	Implantmed	
NOBELBIOCARE	80 / Osseo set 100 / 200 / Osseocare	
FRIADENT	FRIOS unit S / Si	HY-110001
3I	Surgical Unit	
STRAUMANN	Zimmer Dental, Lifecore center pulse, Innova Corp.	
NSK	Surgic XT / Surgic XT PLUS / Variosurg	
BIOMET 3I	Osseocision	HY-110034
KYOCERA	Implantor Neo	
ASEPTICO	AEU 7000 / AEU 6000	
BIEN AIR	Chiropro / CH Chiropro 980 / Hersel	HY-110042
NOUVAG	3000 / 7000 / MD10 / MD20	HY-110014
STRAUMANN	SM12	
KAVO	INTRASURG 300 / 300 Plus / 500 / 1000 / 1000 AIR	HY-110018
NSK	SURGIC PRO	HY-110028

ASPIRATION

The dental unit suction system is in constant use throughout oral surgical and implantological operations. It collects all types of residue including blood, saline solution and bone fragments. Its unfailing operation is imperative for uninterrupted and successful dental surgery.



ASPIRATION TUBE

Transparent PVC suction tube with 2 connectors at the extremities.
Length: 2.70m

☒ Sterile single use



Ref. HY-12025



ASPIRATION SET WITH CANNULA

Suction device composed of a surgical cannula pre-installed at the end of the PVC aspirator tube of 2.70m.

☒ Sterile single use



Ref. HY-12017



ASPIRATION SET WITH CANNULA AND BONE FILTER

Surgical aspiration set compatible with all aspiration systems and composed of :

- a surgical cannula
- a filter for collecting bone fragments
- a 2m PVC tube

Supplied with a universal adaptor for aspiration systems.

☒ Sterile single use



Ref. HY-12014



YANKAUER CANNULA - Ø 4MM TIP

Specially designed for implantologists, it can be fixed to any standard PVC tube or to any surgical suction cannula support.
Ideal angulation of the cannula.
Length: 25cm, Ø 4mm tip

☒ Sterile single use



Ref. HY-12019



CANNULA - Ø 2.5MM TIP

Precise and effective suction cannula, which reaches the narrowest areas.
Each box contains 2 autoclavable adaptors, diameter 11mm and diameter 16mm.
Length: 18cm, Ø 2.5mm tip

☒ Sterile single use



Ref. HY-12031



MICRO CANNULA - Ø 1.2MM TIP

The extra fine tip opening ensures precise aspiration without blocking the field of view. Specially designed for use with microscopes and loupes.

Each box contains 2 autoclavable adaptors, diameter 11mm and diameter 16mm.
Length: 20cm, Ø 1.2mm tip

☒ Sterile single use



Ref. HY-12034

HAEMOSTATIC SPONGES

The HYGITECH Haemostatic Sponge is made of **high quality gelatine, highly processed and purified, and packaged in single sterile blister packs**. It can be used in various surgical procedures involving haemostasis when the control of bleeding capillaries, veins and arterioles using pressure, ligature and other classical procedures is inefficient or impractical.

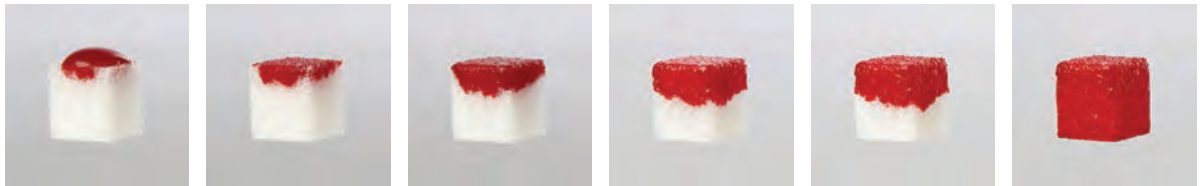
- **Easy to use and malleable**, the haemostatic sponge can be cut to fit the bleeding area and is combined with an antibacterial agent.
- **Biocompatible and non-pyrogenic**, it offers good adhesion to the bleeding site, promoting the formation of the fibrin network, which is essential to efficient coagulation.
- **Easy to store**, each HYGITECH haemostatic sponge is packed in a sterile blister.
- Each individual sponge is 1x1x1cm.



Ref. HY-80207



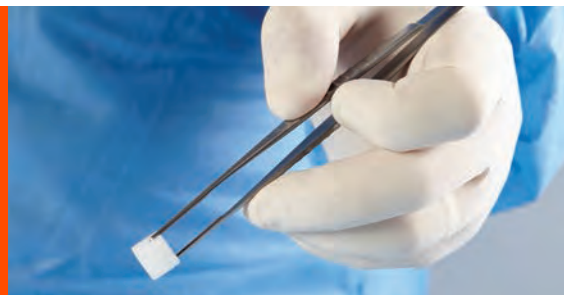
Ref. HY-80209



0 ————— time in seconds —————> 90

HAEMOSTATIC SPONGE ABSORBENCY

As a macro-porous sponge, it is insoluble in water with a rapid absorption capacity equivalent to 40 up to 50 times its weight in blood or other liquids.





unibone bone substitute

Designed by and for dental surgeons, unibone is a complete range of bone substitutes dedicated to bone repair and replacement. As each surgery is different, HYGITECH offers high quality biomaterials from natural and synthetic origins, to facilitate your surgeries and achieve sustainable osteointegration.

BONE SUBSTITUTES: UNIBONE

Unibone biomaterials are class III medical devices, made in France. Sterilised by gamma radiation, they are doubly packaged in a sterile environment and can be used up until 5 years after manufacture.

Unibone is offered with natural (bovine and human) and synthetic origins, which are for different purposes and respond to different indications. Whatever the biomaterial origin, the manufacturing process guarantees the absence of pathogenic or infectious traces.

	UNIBONE SYNTHETIC				UNIBONE SYNTHETIC EXTEND				UNIBONE XENOGRAFT				UNIBONE ALLOGRAFT				
	SMALL		MEDIUM		SMALL		MEDIUM		0.5cc		1cc		2cc		Block		
	0.5cc	1cc	1cc	2cc	0.5cc	1cc	1cc	2cc	0.5cc	1cc	2cc	Block	0.5cc	1cc	2cc		
Alveolar regeneration		●	●	●		●	●	●		●	●			●	●		
Sinus lift		●	●	●		●	●	●		●	●			●	●		
Dehiscence-fenestration 1-wall		●	●	●		●	●	●		●	●			●	●		
Dehiscence-fenestration 2-walls	●	●	●	●	●	●	●	●	●	●	●		●	●	●		
Dehiscence-fenestration 3-walls	●	●	●		●	●		●	●	●			●	●			
Horizontal augmentation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Vertical augmentation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
Periodontal regeneration	●	●	●		●	●	●		●	●			●	●			

ADVICE FOR USE

To obtain good quality reproducible results, while using unibone biomaterials, the surgeon must **follow the general principles of sterility and prophylaxis** for the manipulation of the product and treatment of the patient.

Unibone biomaterials can be **applied dry or mixed with the patient's own blood** or saline solution in order to allow cohesion between particles and to facilitate its use. In this way the graft can be shaped in situ with the help of a sterile spatula for perfectly adapting the implant site. It's advised to avoid compacting the graft in order to optimise cellular invasion and neovascularisation around the graft.

Once the biomaterial is in place, it is advised to **use a collagen membrane**, which allows stabilisation of the biomaterial while assuring long term protection of the implant site.



With an eye for facilitating surgery, HYGITECH helps dental surgeons to **be more familiar with the biomaterials uses**. An online platform, the ACAMEDY is at the surgeon's disposal and displays videos and advice from renowned dental surgeons.

unibone

synthetic and synthetic extend



Unibone synthetic and unibone synthetic extend are synthetic bone substitutes used in dental surgery for the filling and remodelling of bone tissue. **They offer an alternative to natural bone substitutes** (bovine, porcine, human), all the while guaranteeing no pathogenic traces or immune system reactions related to its use.

**AVAILABLE
END 2017**

Unibone synthetic and synthetic extend are perfectly biocompatible due to their chemical composition being similar to human bone. The micro and macro-porous structure promote osteoconduction and cell invasion, parameters essential to **sustainable bone formation**.

Their micro and macro porous structure allows:

- Good osteo-conduction
- Circulation of essential nutrients to bone cells
- Rapid cell and vascular invasion
- Adaptable resorption speed
- Quality bone formation

Available with 100% β TCP (unibone synthetic) or a mix of HA/ β TCP (unibone synthetic extend), the unibone synthetic product range offers a large field of indications for dental surgery.

COMPOSITION

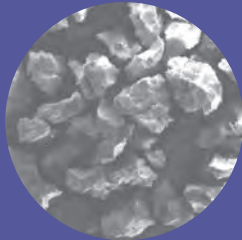
The unibone synthetic range is available with 100% β TCP or with a ratio of HA/ β TCP in a 70% HA and 30% β TCP. Hydroxyapatite (HA), in terms of chemistry, is the calcium phosphate closest to the mineral phases of bone with the slowest resorption speed. β TCP, chemical analogue of HA, is more soluble in a biological environment, and therefore has a faster resorption speed.



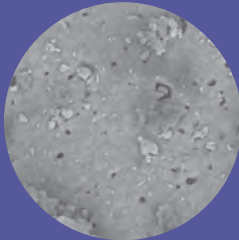
CLINICAL CASE

unibone synthetic

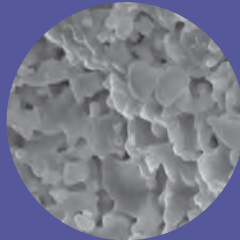
(β TCP 100%) has a fast resorption rate (between 3 to 6 months) while unibone synthetic extend (70% HA and 30% β TCP) resorbs after a period of 6 to 12 months.



1 mm



30 μ m



5 μ m





250-600 μ m



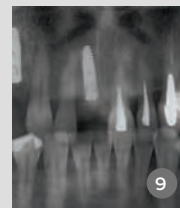
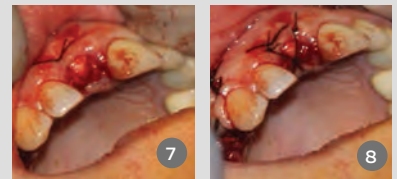
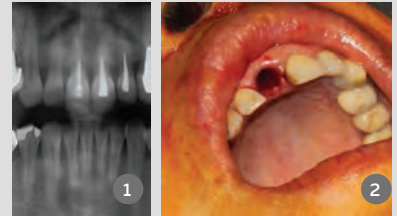
600-1250 μ m

To fit the various clinical situations surgeons are faced with, unibone synthetic and synthetic extend are available in particles with small (250-600 μ m) and medium (600-1250 μ m) granulometry.



PRODUCT	SIZE	VOLUME	REF.
 UNIBONE SYNTHETIC	SMALL	0.5cc	HY-40101
	SMALL	1cc	HY-40102
	MEDIUM	1cc	HY-40103
	MEDIUM	2cc	HY-40104
 UNIBONE SYNTHETIC EXTEND	SMALL	0.5cc	HY-40201
	SMALL	1cc	HY-40202
	MEDIUM	1cc	HY-40203
	MEDIUM	2cc	HY-40204

Alveole reconstruction following tooth extraction and implant loading with radiographic controls before and after surgery.



1. X-ray before implant surgery
2. Site after tooth extraction
3. Implant placement
4. Unibone synthetic mixed with blood
5. Graft set up around the implant
6. PRF membrane introduction
7. PRF membrane set up for graft protection
8. Suture
9. X-ray after implant surgery

unibone xenograft



Unibone xenograft is a natural bone substitute made from bovine bone. With similar osteoconductive properties to human bone, **unibone xenograft offers high quality bone formation and the preservation of bone volume.**

**AVAILABLE
END 2017**

Unibone xenograft is a natural bone substitute. It is used in dental surgery for fillings and/or bone remodelling.

Produced from a certified purification process, both original and non-aggressive, unibone xenograft has a trabecular structure with type 1 mineralised collagen similar to human bone.

Used for several years in implant surgery, bovine bone substitutes represent **the best alternative to allograft**. For the satisfaction of the surgeon and the comfort of the patient, unibone xenograft is the solution for a good quality and reliable surgery.

Available in granules or in block form, unibone xenograft is perfectly biocompatible and easy to use. It is the bone substitute of choice, as it meets the requirements of the surgeon and the surgery.

COMPOSITION

Unibone xenograft is a calcium phosphate biomaterial composed of **100% natural hydroxyapatite from bovine cancellous bone**, similar to that of human bone.

• Guaranteed preservation of volume

Once implanted, Unibone xenograft is gradually osteo-integrated and provides excellent preservation of volume for secure placement of an implant and ensures a **strong implant survival rate**.

• Optimised architecture

Unibone xenograft has a micro- and macro-porous structure. The micro-porous architecture allows for the bio-absorption of proteins while the macro-porous architecture allows, in turn, the cellular migration and the distribution of nutrients, both of which are critical to **good quality vascularisation and bone formation**.

• Increased biological activity

The particle size used in unibone xenograft allows for **continuous remodelling** through the stimulation of the osteoclastic and osteoblastic stimulation of bone cell activity. The type 1 collagen content of unibone xenograft uses a matrix conducive to the regrowth of bone cells (mesenchymal stem cells, osteoblasts and osteoclasts) and of epithelial cells.



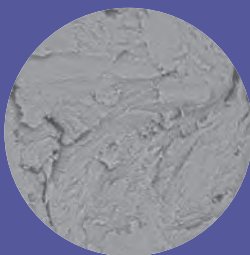
CLINICAL CASE

BY DR. ZERAH F., FRANCE

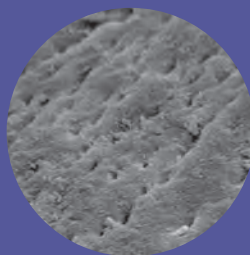
The purification process allows the conservation of the type I collagen network. The combination of this network and the microscopic architecture of unibone xenograft activates the attachment and the migration of epithelial and fibroblast cells allowing rapid neovascularisation of the graft and bone formation.



500µm



100µm



10µm


ORIGIN

The particles and blocks of unibone xenograft are obtained from veal raised in France. The process used for the treatment of bone fulfills all the regulatory requirements that guarantee the safety of the bone substitute.

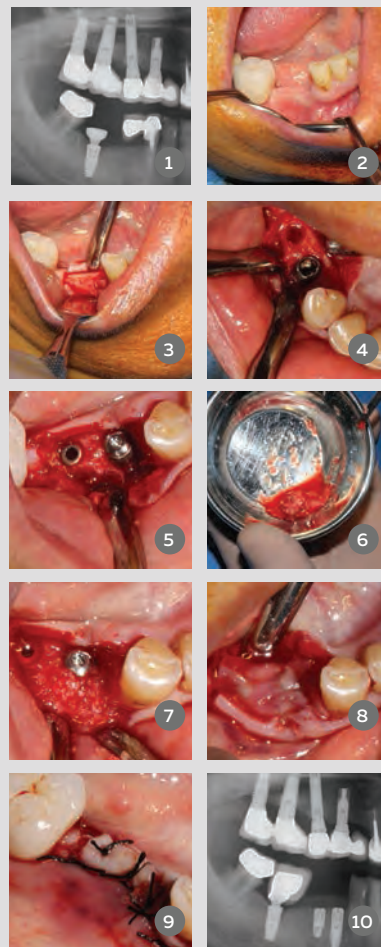


800-1500µm

Unibone xenograft is available in particles with a unique granulometry and blocks.

PRODUCT	SHAPE	VOLUME	REF.
 UNIBONE XENOGRAFT	Granules	0.5cc	HY-40005
	Granules	1cc	HY-40007
	Granules	2cc	HY-40009
	Block	25x15x8mm	HY-40011

Bone filling using unibone xenograft follows a two-implant-loading procedure with radiographic controls before and after surgery.



1. X-ray before implant surgery
2. Original state
3. Incision + detachment
4. First implant positioning
5. Second implant positioning
6. Autograft and xenograft bone mixing
7. Graft positioning at the first implant's fenestration level
8. Graft protection with a PRF membrane (Platelet Rich Fibrin)
9. Sutures
10. X-ray after implant surgery

unibone allograft



Unibone allograft is a bone substitute made in France and dedicated to dental surgery. Naturally biocompatible, unibone allograft is an alternative choice to the autograft, the gold standard in bone reconstruction.

Availability depends on your country regulations.

A FIELD PROVEN PROCESS FOR PERFECT OSTEOINTEGRATION

Unibone allograft particles were obtained from femoral heads removed in French health facilities following total hip replacement. Once collected, the femoral heads are frozen, cleaned, cut and treated via several viro reduction and viro inactivation stages using a procedure conforming to French regulations (authorisation process ANSM PPT 234)

The process used to manufacture unibone allograft has the ability to preserve the native collagen network of the bone and to provide a material with physical and biological characteristics similar to natural bone.

SAFETY AND TRACEABILITY

To guarantee their safety, unibone allograft particles are purified and treated by a validated and certified process. The process used includes several stages of viro reduction and viro inactivation (authorisation ANSL: PPT 234) ensuring a very high safety level.

Each tissue donor has done a medical screening questionnaire and has had a blood test in order to guarantee the absence of infectious elements (HIV, HBV, HCV, HTLV, Treponema pallidum). Traceability from donor to recipient, is ensured by HYGITECH (authorisation ANSM BT/16/A/004).

INDICATIONS

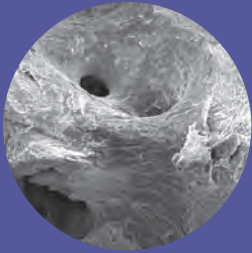
The use of unibone allograft is recommended for bone grafts and augmentation in post-extraction and pre-implant surgery; in traumatology and in maxillofacial surgery.

- Vertical and horizontal alveolar augmentation
- Sinus Lift
- Post extraction filling
- Bone defect fillings requiring surgical attention
- Preliminary site preparation of an implant

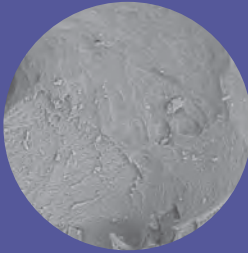


CLINICAL CASE

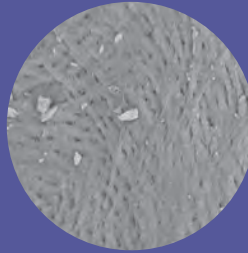
Macro and micro-porosity of the material, combined with native collagen network on the surface of the material, allow rapid cell invasion, a perfect osteoconduction, and therefore high quality bone formation.



300µm



100µm



40µm

SAFETY


HYGITECH is a Tissue bank authorised by the ANSM for the distribution of Human bone substitutes to the dentists. ANSM Authorisation BT/06/M.

Traceability from donor to recipient, is ensured by HYGITECH (authorisation ANSM BT/16/A/004).

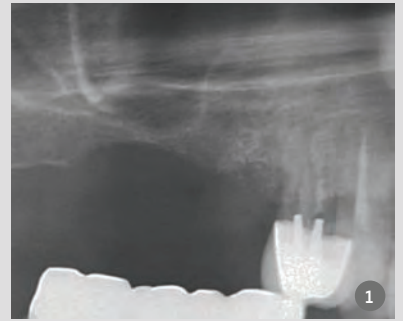


Unibone allograft is available in particles with a unique granulometry

800-1500µm

	PRODUCT	VOLUME	REF.
	UNIBONE ALLOGRAFT	0.5cc	HY-40301
		1cc	HY-40302
		2cc	HY-40303

72 year old patient with bone defect in the posterior sectors. Upper-maxillary bone reconstruction using unibone allograft following the sinus lift technique. Site protection using a collagen membrane and site closure using separated sutures stitches. Radiographic controls were performed before and after surgery.



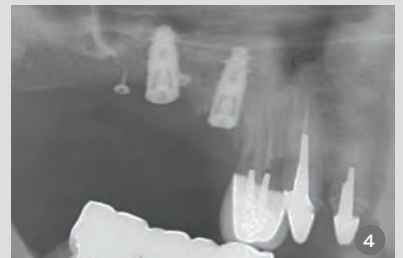
1



2



3



4

1. X-ray before implant surgery
2. Original condition
3. Filling of the sinus with unibone allograft and implant placement
4. X-ray taken 3 months after implant surgery

finalis



finalis

We know how important the choice of suture is for a dental surgery: it determines the success of the surgery and the recovery of the patient. That is why we have prepared a complete guide to help you select the best needle and thread for every situation.

discover

the final touch

for your

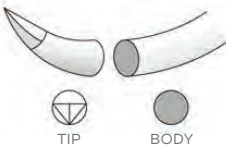
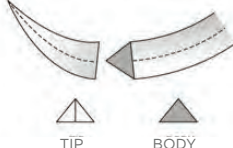
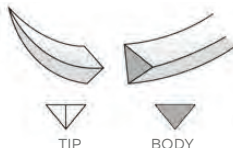
dental surgeries

finalis

HOW TO CHOOSE THE RIGHT SUTURE?

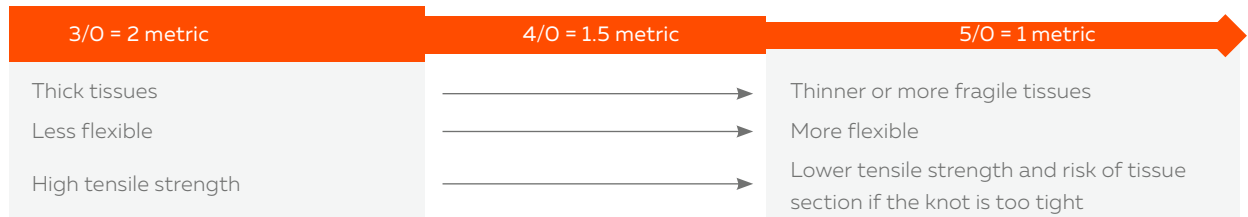
THE NEEDLE

Apart from their length and curve, which depend on the wound location and personal preference, there are 3 types of needles available:

CUT	Round, taper cut	Triangular, conventional cutting	Triangular, reverse cutting
DESCRIPTION	Only the tip cuts	The whole needle tip cuts	The whole needle tip cuts
ILLUSTRATION			
ADVANTAGE	Minimum trauma, great sealing power Ideal for a limited number of stiches	Excellent penetration Ideal for 3 stiches or more	Excellent penetration Ideal for 3 stiches or more

THE THREAD

Thickness: the thinner the thread, the higher its number is.



MATERIAL	THREAD COLOUR	BRAIDED THREAD CHARACTERISTICS	ABSORBABLE OR NOT	THREAD FEATURES
SILK		Very flexible Good knot safety	Non absorbable	Natural and flexible material Excellent knot tightening Variable tissue tolerance
POLYESTER		Very flexible Good knot safety	Non absorbable	Synthetic material Good resistance to chemical stress Good tolerance and very stable
POLYGLACTIN		Very flexible Good knot safety	Absorbable	Synthetic material 50% Tensile strength after 30 days Good tissue tolerance Hydrolysis between 60 and 90 days
POLYGLYCOLIC ACID		Very flexible Good knot safety	Absorbable	Synthetic material Good knot tightening Good tissue tolerance 50% Tensile strength after 25 days Hydrolysis 60-90 days
POLYGLYCOLIC ACID FAST		Very flexible Good knot safety	Absorbable	Synthetic material 50% Tensile strength after 7 days Hydrolysis between 35 and 45 days



Customised Sutures

If you cannot find the suture you would like in our standard range, we can manufacture some specifically for you. Just choose from the criteria below and contact us.

① Choose your material:

Non absorbable:	Silk Polyester	Absorbable:	Polyglycolic Acid (PGA)	Polyglycolic Acid Fast (PGA fast)	Polyglactin (PGLA)
-----------------	----------------	-------------	-------------------------	-----------------------------------	--------------------

② Choose the thread thickness:

2/0	3/0	4/0	5/0	6/0
-----	-----	-----	-----	-----

③ Choose the thread length:

45cm	75cm
------	------

④ Choose the needle type:

Taper cut	Reverse cut	Conventional cut
-----------	-------------	------------------

⑤ Choose the needle shape:

3/8 circle	1/2 circle	5/8 circle
------------	------------	------------

⑥ Choose the needle length:

12mm	13mm	14mm	16mm	17mm	18mm
19mm	20mm	22mm	23mm	24mm	

⑦ Choose the packaging:

Box of 12	Box of 36
-----------	-----------

- Minimum order quantity: 25 boxes.
- Lead time: 8-10 weeks

SILK SUTURES

- Braided and solid thread made from a naturally-occurring substance known as fibroin.
- Flexible for good knot security.

② Sterile single use



BOX OF 12	NEEDLE TYPE	NEEDLE ARC	NEEDLE LENGTH	THREAD TYPE	THREAD LENGTH	BOX OF 36
HY-80013	Taper cutting	3/8	17mm	3/0	45cm	HY-83613
HY-80019	Taper cutting	3/8	17mm	4/0	45cm	HY-83619
HY-80020	Taper cutting	3/8	18mm	4/0	45cm	
HY-80014	Taper cutting	3/8	18mm	3/0	75cm	
HY-80021	Reverse cutting	1/2	22mm	3/0	75cm	HY-83621
HY-80024	Reverse cutting	1/2	23mm	3/0	45cm	
HY-80023	Reverse cutting	1/2	18mm	4/0	75cm	
HY-80028	Reverse cutting	1/2	18mm	4/0	45cm	
HY-80015	Reverse cutting	3/8	19mm	3/0	45cm	HY-83615
HY-80026	Reverse cutting	3/8	18mm	3/0	45cm	HY-83626
HY-80027	Reverse cutting	3/8	16mm	4/0	45cm	HY-83627
HY-80029	Reverse cutting	3/8	17mm	5/0	75cm	
HY-80007	Reverse cutting	1/2	20mm	3/0	75cm	
HY-80018	Reverse cutting	1/2	26mm	3/0	75cm	
HY-80010	Reverse cutting	3/8	16mm	3/0	75cm	
HY-80006	Reverse cutting	3/8	19mm	3/0	75cm	
HY-80017	Reverse cutting	1/2	22mm	4/0	75cm	
HY-80008	Reverse cutting	3/8	16mm	4/0	75cm	
HY-80016	Reverse cutting	3/8	20mm	4/0	75cm	
HY-80025	Conventional cutting	1/2	22mm	3/0	45cm	

POLYESTER SUTURES

- Excellent tolerance.
- Minimal breakage, which reduces the need to remove irritating suture fragments post-operation.
- Provides excellent pliability (malleable).



BOX OF 12	NEEDLE TYPE	NEEDLE ARC	NEEDLE LENGTH	THREAD TYPE	THREAD LENGTH
HY-80031	Taper cutting	3/8	17mm	4/0	75cm
HY-80032	Taper cutting	3/8	16mm	5/0	45cm
HY-80034	Taper cutting	3/8	17mm	3/0	75cm
HY-80035	Reverse cutting	3/8	19mm	4/0	45cm
HY-81036	Taper cutting	3/8	13mm	6/0	45cm
HY-81037	Reverse cutting	3/8	16mm	5/0	45cm

POLYGLACTIN SUTURES

- Synthetic braided thread composed of 90% glycolide and 10% lactin.
- Excellent physical properties and excellent tissue tolerance.
- In comparison to PGA, this suture maintains a tensile strength of 50% after 30 days with complete hydrolysis within 60 to 90 days.



POLYGLACTIN

Thread colour: purple

BOX OF 12	NEEDLE TYPE	NEEDLE ARC	NEEDLE LENGTH	THREAD TYPE	THREAD LENGTH
HY-80041	Taper cutting	3/8	13mm	4/0	75cm
HY-80042	Reverse cutting	3/8	19mm	3/0	75cm
HY-80043	Reverse cutting	3/8	13mm	5/0	75cm
HY-80044	Reverse cutting	3/8	19mm	4/0	75cm
HY-80045	Reverse cutting	3/8	24mm	3/0	75cm
HY-80046	Taper cutting	3/8	17mm	4/0	75cm

POLYGLYCOLIC ACID SUTURES

- Good tissue tolerance, low memory effect and optimal knot security.
- PGA sutures: 50% tensile strength after 25 days with complete hydrolysis within 60 to 90 days.
- PGA Fast sutures: 50% tensile strength after 7 days with complete hydrolysis within 35 to 45 days.



BOX OF 12	NEEDLE TYPE	NEEDLE ARC	NEEDLE LENGTH	THREAD TYPE	THREAD LENGTH	RAPID
HY-80061	Taper cutting	3/8	13mm	5/0	75cm	
HY-80062	Reverse cutting	3/8	19mm	3/0	75cm	
HY-80063	Reverse cutting	3/8	16mm	4/0	75cm	
HY-80064	Reverse cutting	3/8	16mm	3/0	75cm	
HY-80065	Reverse cutting	1/2	12mm	4/0	45cm	
HY-80071	Reverse cutting	3/8	19mm	3/0	75cm	
HY-80072	Reverse cutting	3/8	16mm	4/0	75cm	
HY-80073	Reverse cutting	3/8	19mm	5/0	75cm	
HY-80074	Reverse cutting	3/8	16mm	3/0	75cm	

PACKAGE MEMORY: DEFINITION

The package memory for a thread is its ability to regain its original shape following deformation. It has no impact on the suture's quality; however it affects manageability, because threads with memory tend to form knots spontaneously and be less flexible during use.



CRYOTHERAPY

Perfect for avoiding swelling and helping patients manage pain and discomfort after surgery.

Advantages:

- **Great for patients:** cold packs prevent swelling. The patients will also appreciate the added pain relief solution provided by the cold pack. It will therefore reduce the need to medicate patients with pain killers, etc., providing natural relief.
- **Great efficiency:** maintains an even temperature throughout the entire pack, and remains flexible, covering the face perfectly.



HOT AND COLD PACK

This reusable hot and cold therapy pack helps patients manage pain and swelling following implant surgery.

Sized 10x11.5cm, it offers full coverage of the surgical area.

- **Easy to store and use:** simply store in a freezer until needed.
- **Comfortable** due to its non-woven cover.
- **To apply heat:** simply place in the microwave twice, for 15 seconds to heat up.



Ref. HY-301

INSTANT FREEZE

A single squeeze to activate makes this cold therapy pack reach immediately a safe, therapeutic temperature (0°C) and holds this temperature for up to 15 minutes.

Sized 12x14cm, it offers full coverage of the surgical area.

- **Easy to store and use:** simply store at room temperature, no need for a freezer!

⊗ Single use



Ref. HY-303

DID YOU KNOW?



The term "**cryotherapy**" comes from the Greek word cryo meaning cold, and therapy meaning cure. Cryotherapy has been used since the seventeenth century. Ice therapy is the therapeutic use of locally applied coolants to affect various physiological processes through the cooling of soft tissues.

The physiological effects of cold application include immediate **vasoconstriction, reducing blood flow** in tissues cooled to 18°C.

YOU CAN BE A VIRTUOSO AND ASPIRE FOR MORE SIMPLICITY

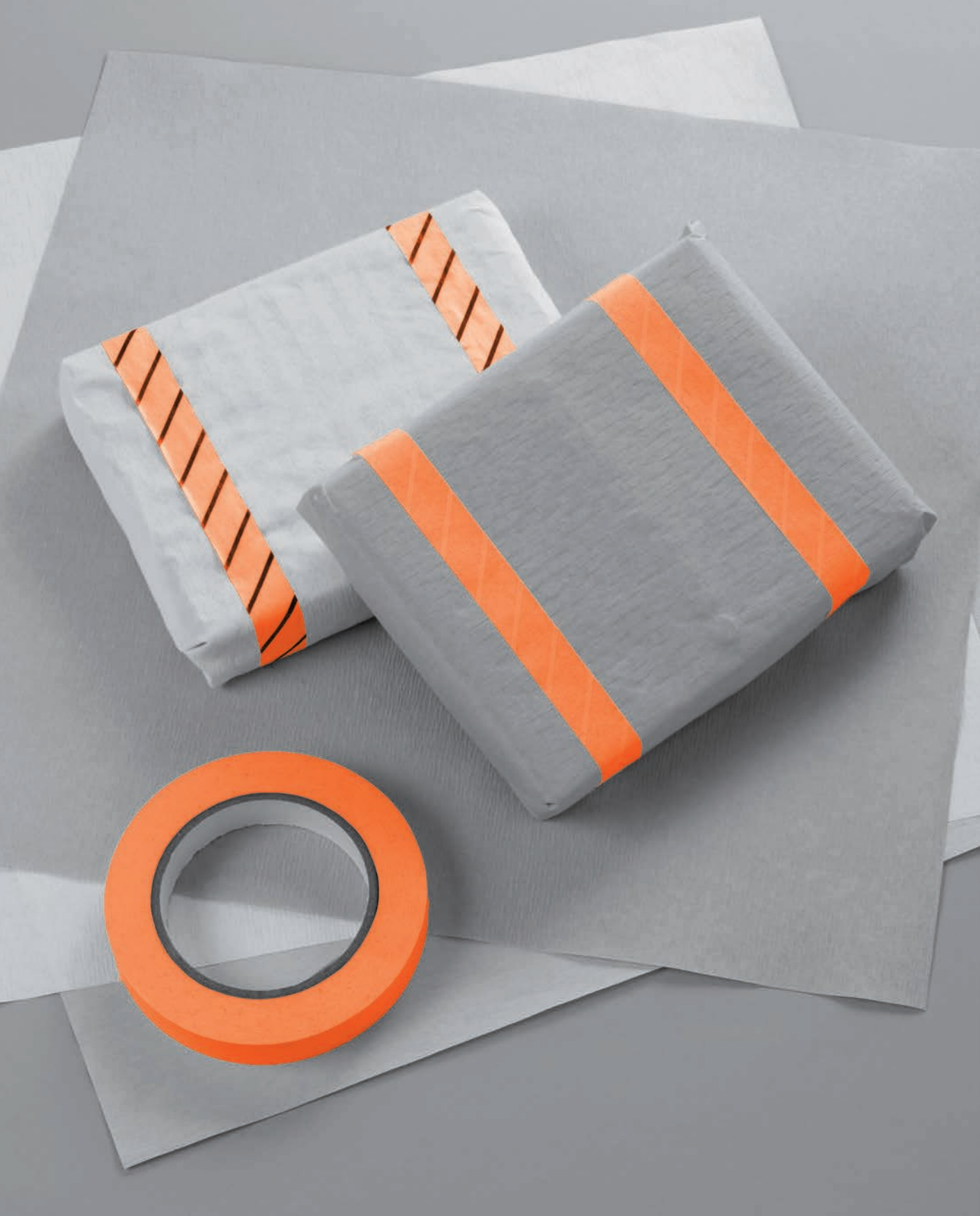


HYGITECH - YOUR FACILITATOR FOR SURGERY

Orchestrating a surgical procedure requires a master's hand, but also a complete range of tools. At HYGITECH, we offer a wide range of finely crafted pins, pins positioners and cases, ensuring you have the right tools to maintain the membrane.

Peace of mind for a successful surgery.





Decontamination & Sterilisation

Disinfection

Hands	74
Instruments	76
Medical devices	79
Aspiration	81
General protocol of use	82
Norms	84

Sterilisation

Sterilisation paper	85
Sterilisation indicator tape	85
Prion test	86
Helix test	87
Bowie Dick test	87
Dry block incubator	88
Biological indicator	88

Waste disposal

Aspiration waste disposal	89
Waste collection bags	89



MILD SOAP SOLUTION FOR FREQUENT HAND WASHING **DENTO-VIRACTIS 31**

- **Skin friendly:** neutral pH, similar to the skin's pH
- Hypoallergenic product therefore **adapted for sensitive skin**
- Contains emollients to protect the skin from the drying effect of water
- **Soap and perfume free**



1L bottle with pump
Ref. DV-311



5L canister (excl. pump)
Ref. DV-312



Pump for 5L canister
Ref. DV-314



MILD ANTISEPTIC SOAP FOR HAND WASHING **DENTO-VIRACTIS 33**

- **Skin friendly:** contains a naturally occurring supergreasing agent
- **Dermalogically tested**
- Antiseptic tested in vitro



1L bottle with pump
Ref. DV-331



5L canister (excl. pump)
Ref. DV-332



Pump for 5L canister (20ml)
Ref. DV-594



HYDROALCOHOLIC GEL AND LOTION FOR THE HYGIENIC TREATMENT AND SURGICAL DISINFECTION OF HANDS

DENTO-VIRACTIS 35

- **Rapid action:** makes it ideal for use between patients
- **Skin friendly:** contains glycerin, which protects the skin's hydrolipidic film and makes the Dento-Viractis 35 suitable for sensitive skin
- **Dries quickly with no residue,** does not stick

GEL



1L bottle with pump
Ref. DV-354



5L canister (excl. pump)
Ref. DV-353



Pump for 5L canister
Ref. DV-594

LOTION



1L bottle with pump
Ref. DV-351



5L canister (excl. pump)
Ref. DV-357



Pump for 5L canister (20ml)
Ref. DV-594



HAND CLEANSING AND DISINFECTION



1. Palm on palm
Palm disinfection



2. Palm on back
Fingers and interdigital spaces



3. Interlaced fingers
Fingers and interdigital spaces



4. Palm and fingers



5. Thumbs



6. Finger nails



7. Wrists

DECONTAMINATION TRAYS

Disinfect your instruments in complete safety with the decontamination tray. Made from very resistant polypropylene.

Each tray is provided with its basket for drying instruments and a lid.

Available in 2 different sizes:

- For burs. Dimensions Ø7.3cm, height 5.2cm.
- For all types of instruments (capacity 3L). Dimensions: 9cm height x 34cm width x 22cm depth.



Blue, for burs
Ref. DV-512



Blue, capacity 3L
Ref. DV-554



Grey, capacity 3L
Ref. DV-555



Pink, capacity 3L
Ref. DV-556

CLEANING AND DISINFECTION OF LIGHTLY CONTAMINATED INSTRUMENTS

DENTO-VIRACTIS 50

- **Efficient:** kills bacteria, viruses, moisture and biofilm. The cleaning properties are even enhanced due to the alkaline pH.
- **Double action:** detergent and disinfectant in 15 minutes
- **Protects the instruments against rusting:** contains corrosion inhibitors
- **Aldehyde-free**
- **No emissions, no smell**
- **Cost-saving:** concentrated at 0.5%
- **Can be used in ultrasonic cleaners**



1L bottle with dosing device
Ref. DV-501



5L canister (excl. pump)
Ref. DV-502



Pump dispenser 10ml
Ref. DV-596



Pump dispenser 15ml
Ref. DV-595



Pump dispenser 20ml
Ref. DV-594



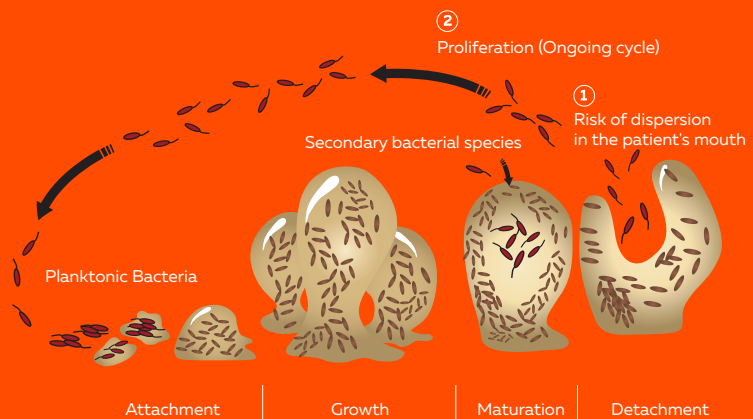
Concentrated



Diluted

BIOFILM DEFINITION

Biological film or **biofilm** is a **complex extracellular matrix** composed of diverse microorganisms (bacteria, fungi, viruses, ...). Those stick to each other and secrete an **invisible adhesive barrier** around instruments called biofilm. It is therefore essential to fight biofilm: Indeed, the dispersion of broken biofilm may lead to diseases such as gingivitis.



ENZYMATIC POWDER FOR THE DECONTAMINATION OF HIGHLY SOILED INSTRUMENTS

DENTO-VIRACTIS 55

- **Efficient:** enzymatic powder with strong detergent power. The cleaning properties are even enhanced due to the alkaline pH, therefore the Dento-Viractis 55 is highly recommended for organic soiling
- **No obstacle to disinfection:** eliminates limescale
- **Double action:** detergent and disinfectant in 15 minutes
- **Material friendly:** chloride free formulation for outstanding material compatibility and anti-corrosive properties
- **Convenient:** completely water soluble
- **Cost-saving:** concentrated at 0.5%
- **Multi-purpose:** can also be used for impressions
- **Time-saving:** shortens time spent on manual scrubbing
- 15g dosing device provided



2Kg bucket
Ref. DV-551



5Kg bucket
Ref. DV-552



50 Dose bucket
Ref. DV-553



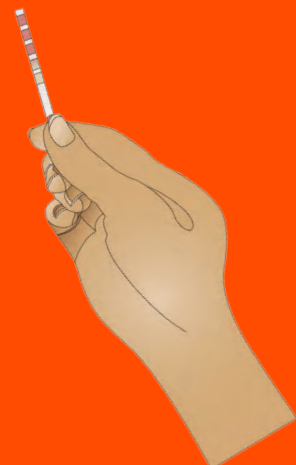
Concentrated



Diluted

HOW DOES DV-55 ELIMINATES LIMESCALE?

The Dento-Viractis 55 turns hard water into soft water: the **polyphosphates contained in Dento-Viractis 55** act as a sequester to stop the minerals in hard water from precipitating out and therefore making a limescale deposit on the instruments.



SOLUTION FOR COLD DISINFECTION OF HEAT-SENSITIVE MEDICAL DEVICES AFTER DECONTAMINATION

DENTO-VIRACTIS 53

- **Efficient:** kills bacteria, viruses, moisture and biofilm. The low content of glutaraldehydes (0,17%) increases the disinfecting power without being corrosive and toxic for instruments and dental healthcare personnel
- **Double action:** detergent and disinfectant
- **Convenient:** non-foaming product for use in washer-disinfectors.
- Easy to rinse
- **Material friendly:** compatible with nickel, titane, tungstene carbide, aluminium, etc.
- **Environmentally friendly:** 100% biodegradable. Available as concentrated and ready to use solutions

CLEANING AND DISINFECTION OF ROTARY INSTRUMENTS AND CUTTERS

DENTO-VIRACTIS 57

- **Efficient:** Dento-Viractis 57 is dedicated to rotary instruments and burs for higher disinfecting properties. It kills bacteria, viruses, moisture and biofilm. Moreover, the alkaline pH ensures quick elimination of infectious agents without being corrosive to healthcare personnel
- **Double action:** detergent and disinfectant
- **Adapted for all types of materials:** steel, tungsten and diamond burs
- **Protects the instruments against rusting:** contains corrosion inhibitors
- **Aldehyde-free**
- **No emissions, no smell**
- **Can be used in ultrasonic cleaners**



READY TO USE



1L bottle with dosing device
Ref. DV-531



5L canister (excl. pump)
Ref. DV-532



2L canister (excl. pump)
Ref. DV-571



5L canister (excl. pump)
Ref. DV-572

1  Concentrated →  Diluted

2  Ready to use solution



WIPES FOR THE CLEANING AND DISINFECTION OF ALL SURFACES OF MEDICAL DEVICES

DENTO-VIRACTIS 79

- **Efficient:** kills bacteria, viruses and moisture
- **Double action:** detergent and disinfectant
- **Convenient:** ideal for use between patients, no rinsing necessary. The packaging with a lid was developed to prevent the wipes from drying
- **Nice lime scent**
- **Kind on the skin**
- **Aldehyde and chloride agent free**
- **Size:** 18x20cm



100 Wipes box
Ref. DV-791

WHICH WIPE SHOULD I CHOOSE?

	DENTO-VIRACTIS 77	DENTO-VIRACTIS 79
Material	Cellulose non woven	Spunlace (viscose, cellulose and polyester)
Material weight	23g/m ²	50g/m ²
Liquid impregnation	<2ml	>5ml
Dimensions	13x20cm	18x20cm

CLEANING AND DISINFECTION OF ALL MEDICAL DEVICES' SURFACES INCLUDING THE MOST FRAGILE ONES: DENTAL CHAIRS...

DENTO-VIRACTIS 75

- Formula without alcohol
- **Efficient:** kills bacteria, viruses and moisture
- **Double action:** detergent and disinfectant in 15 minutes
- **Convenient:** ideal for use between patients, no rinsing necessary. Furthermore, the Dento-Viractis 75 does not foam, leaves no residue and dries quickly
- **Perfume, aldehyde, colouring agent and chloride free**
- **Environmentally friendly:** EDTA and phthalates free. All ingredients contained in Dento-Viractis 75 are fully biodegradable and are not bio-accumulative



750ml spray
Ref. DV-751



5L canister (excl. pump)
Ref. DV-752



Pump dispenser 10ml
Ref. DV-596



Pump dispenser 15ml
Ref. DV-595



Pump dispenser 20ml
Ref. DV-594



ALCOHOL FREE

CLEANING AND DISINFECTION OF ALL MEDICAL DEVICES' SURFACES

DENTO-VIRACTIS 77

- **Efficient:** kills bacteria, viruses and moisture
- **Double action:** detergent and disinfectant
- **Convenient:** ideal for use between patients, no rinsing necessary. Furthermore, the Dento-Viractis 77 does not leave any residue and dries quickly
- **Aldehyde, colouring agent and chloride free**
- **Does not foam**



1L spray
Ref. DV-771



5L canister (excl. pump)
Ref. DV-772



120 Wipe box
Ref. DV-773



120 Wipe refill
Ref. DV-774



Pump dispenser 10ml
Ref. DV-596



Pump dispenser 15ml
Ref. DV-595



Pump dispenser 20ml
Ref. DV-594



GRAPEFRUIT SCENT

CLEANING AND DISINFECTION OF ASPIRATION SYSTEMS, SPITOONS AND AMALGAM COLLECTORS

DENTO-VIRACTIS 95

- **Efficient** : not only does it kill bacteria, viruses and moisture, the Dento-Viractis 95 also dissolves and disinfects biofilm and prevents the formation of waste sludge (blood and proteins)
- **Double action**: detergent and disinfectant in 15 minutes
- **Convenient** : the Dento-Viractis 95 simultaneously disinfects, cleans and deodorises suction lines, and does not foam
- **Compatible with all types of suction systems**
- **Cost-saving**: concentrated at 0.5%
- **Aldehyde, phenol and chlorine free**



DEODORISING CLEANING LIQUID FOR ASPIRATION SYSTEMS

DENTO-VIRACTIS 99

- **Detergent properties** : removes adhesive soil and waste sludge (blood and proteins)
- Prevents bacteria and contaminating biofilm to proliferate
- **Convenient**: does not foam
- Compatible with all types of suction systems
- Concentrated at 2%



1L bottle with dosing device
Ref. DV-951



5L canister (excl. pump)
Ref. DV-952



Pump dispenser 10ml
Ref. DV-596



Pump dispenser 15ml
Ref. DV-595



Pump dispenser 20ml
Ref. DV-594



1L bottle with dosing device
Ref. DV-991



5L canister (excl. pump)
Ref. DV-993



Pump dispenser 10ml
Ref. DV-596



Pump dispenser 15ml
Ref. DV-595



Pump dispenser 20ml
Ref. DV-594



Concentrated



Diluted



Concentrated



Diluted

DESCRIPTION	PRODUCT NAME	DILUTION
Mild soap solution	 DV-31	Ready to use
Mild antiseptic soap	 DV-33	
Hydroalcoholic gel and lotion	 DV-35	
Pre-disinfection of lightly contaminated instruments	 DV-50	5ml for 1 litre of water
Pre-disinfection of highly contaminated instruments	 DV-55	5g for 1 litre of water
Cleaning and disinfection of rotary instruments	 DV-57	Ready to use
Cold disinfection of heat-sensitive medical devices	 DV-53	1L: 20ml for 1 litre of water 5L: ready to use
Cleaning and disinfection of medical devices' surfaces	 DV-75 DV-77 DV-79	Ready to use
Cleaning and disinfection of aspiration systems, spittoons and amalgam collectors	 DV-95 DV-99	5ml for 1 litre of water 20ml for 1 litre of water

DECONTAMINATION PROTOCOL



STERILISATION PROTOCOL



MICROBIOLOGICAL EFFICACY	50	55	53	57	77	75	79	95	33	35 GEL	35 LOTION
Bacterial	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fungicidal	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Candida albicans	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PRV (surrogate B Hepatitis)	✓	✓	✓		✓	✓	✓	✓			
BVDV (surrogate C Hepatitis)	✓	✓		✓	✓	✓	✓				
Adenovirus			✓	✓	✓	✓	✓				✓
HIV-1	✓	✓	✓		✓	✓					✓
Herpes	✓		✓	✓	✓		✓	✓		✓	
Influenza virus (H5N1)		✓			✓		✓		✓	✓	
Rotavirus			✓		✓	✓	✓			✓	
Novovirus	✓		✓	✓	✓		✓	✓		✓	
Orthopoxvirus of the vaccine			✓	✓	✓						
Poliovirus			✓								
Enterovirus polio 1			✓	✓	✓						
Sporicidal (Clostridium difficile)					✓	✓					
Test in vivo: Escherichia coli									✓	✓	✓
Test in vivo: Microbial flora									✓	✓	✓

WHAT IS A SURROGATE VIRUS?

Some human viruses can not be tested in vitro: a surrogate virus needs to be tested instead. It belongs to the same virus family (quite similar genome), causes very similar symptoms and has similar transmission characteristics.

For example, surrogates of the human hepatitis B virus are the Pseudorabies virus (PRV) and the Duck hepatitis B virus.

STERILISATION PAPER

Cassette wrapping for complete protection during sterilisation cycle.

- Composed of 100% cellulose fibers (60g/m²): great barrier against bacteria
- **Multiple uses:**
The paper can be used on a dental tray or as a sterile drape after the package is opened
- The range is ISO 11607-1 and EN868-2 certified



⊗ Non sterile, single use



40X40cm White
Ref. HY-80241



40X40cm Blue
Ref. HY-80240



40X40cm Green
Ref. HY-80242



60X60cm White
Ref. HY-80261



60X60cm Blue
Ref. HY-80260



60X60cm Green
Ref. HY-80262



STERILISATION INDICATOR TAPE

This product is an adhesive tape with stripes of thermochromatic ink imprinted. It serves to denote whether an item has been through the autoclave. Whilst it does not offer any guarantee of sterility, it does help to distinguish easily between packs of instruments which have and have not been sterilised, as mix-ups can often occur in a surgery.

Principle: when the tape is heated significantly, the white stripes on the tape will turn black, indicating that the tape has been exposed to heat.

⊗ Non sterile, single use



12.5mmx50m
Ref. HY-80001



19mmx50m
Ref. HY-80003



25mmx50m
Ref. HY-80005

STERILISATION TESTS

Sterilisation and maintaining hygienic conditions are constant challenges. To make sure an autoclave performs perfectly, HYGITECH offers three types of sterilisation tests: Bowie Dick, Helix and Prion.

ADVANTAGES :

- **Reliable:** consistent testing of the autoclave, in compliance with the European standard EN867-4.
- **Easy to read:** distinctive, total colour change from yellow to black provides a clear indication of a successful test.
- **Easy to validate:** each product has a lot number and expiration date printed on it, and space to note information relative to the sterilisation cycle, which simplifies traceability.

THE STEAM PENETRATION TESTS - THE BOWIE DICK AND HELIX TESTS CHECK :

- The **vacuum performance** and airtight seal.
- That the **correct temperature** has been reached for sterilisation.
- The **correct amount of pressure** to ensure effective steam penetration: right to the heart of the product.

How to choose the right test?

	PRION	BOWIE DICK	HELIX
Frequency of use	At each autoclave cycle	1 Per day (every morning)	1 Per day (every morning)
For which products	All types	Wrapped products, gowns	Tubing
What does it test	That Prion protein is destroyed	That the vacuum is done properly	That the vacuum is done properly

PRION TEST

Prion is a protein involved in the Creutzfeldt-Jakob disease. Prion test guarantees sterility in an individual sterilisation parcel (pouch, sealed sleeve or crepe-paper packet) positioned in a loaded autoclave.

Principle: at the end of the cycle, a full change of colour signifies the total destruction of Prions and therefore guarantees the sterility of the items themselves.

Presentation: prion test is a slip of card saturated with Prions, that is positioned directly together with the items to be sterilised.

📄 Single use



Ref. HY-80038





HELIX TEST

It tests an autoclave's capacity to sterilise hollow items such as suction or irrigation tubes. It needs to be carried out every day during a specific cycle (empty autoclave).

Principle: steam must penetrate the length of a narrow coiled tube and cause a reaction on a slip of folded paper printed with indicator ink at the sealed end.

Presentation: the test comprises of a 1.5 meter-long tube open at one end, with the other end containing a capsule for the sterilisation indicator slip.

⊗ Single use



1 tube and 100 strips
Ref. HY-80036

BOWIE DICK TEST

It tests the autoclave's capacity to sterilise porous items such as gowns and drapes. It needs to be carried out every day on a specific cycle (empty autoclave).

Principle: steam is forced to penetrate successive layers of card and cause a reaction on a piece of paper printed with indicator ink.

Presentation: the ready-to-use package contains multiple layers of card, in the centre of which is a chemical indicator sheet with thermochromatic ink.

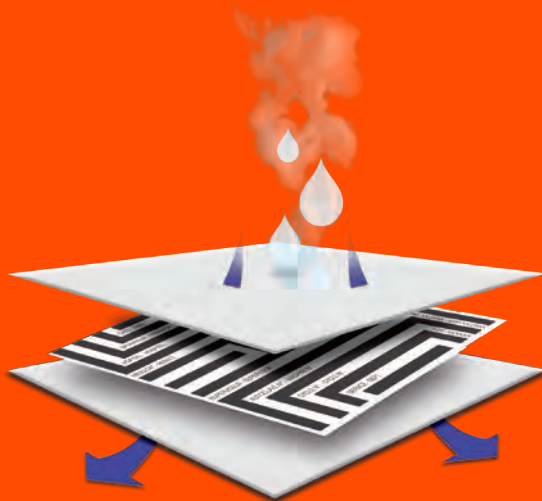


⊗ Single use



Ref. HY-80009

DID YOU KNOW?



The Bowie Dick test was created in England in 1963 by Dr. J. Bowie and M. J. Dick and **has been a must in terms of checking the steam performance** of the autoclave since then.

How it works: **steam is forced to penetrate successive layers** of card and causes a reaction on a piece of paper printed with indicator ink.

DRY BLOCK INCUBATOR

The HYGITECH Incubator is used to incubate biological indicator vials between 55°C and 60°C, in order to ascertain whether the sterilisation by saturated steam was effective.



Advantages: luminous operation of the indicator. Integrated vial crusher.

Incubation capacity: 15 vials maximum.

Quick and effective: controlled efficiency for diverse procedures of sterilisation between 121°C and 135°C with guaranteed results after 24 hours of incubation.

Practical: does not take up too much room.

Easy to use: once plugged in, the HYGITECH Incubator requires no manipulation.



Ref. HY-80039

BIOLOGICAL INDICATORS

Biological indicators are inoculated with viable bacterial spores of *Geobacillus Stearothermophilus* and comply with performance specifications and quality indicated in ISO 11138.

- Compatible with the HYGITECH Incubator 11mm diameter.
- **Quick and effective:** controlled efficiency for diverse procedures of sterilisation between 121 and 135°C with guaranteed results after 24 hours of incubation.
- **Practical:** compatible with all brands of incubators.
- **Easy to use:** quick understanding of the results due to a vivid change in colour when bacteria has materialised, leaves no doubt of the outcome.



Ref. HY-80037



DISPOSABLE SYSTEM FOR SUCTION WASTE COLLECTION

Blood, saliva, saline solution as well as particles of bone and surrounding tissue may cause blockages in the suction system. Disposal of regulated medical waste presents a challenge for surgeons that practice implantology. Indeed, the regulations associated with various biohazards and their disposal are intricate and vary according to local requirements.

The product consists of two parts:

- 1 reusable, transparent plastic outer canister that can be fixed on a roll stand or on a wall bracket, out of the patient's sight.
- 10 disposable collection bags to be inserted in the reusable canister; they can last for more than one surgery.

ADVANTAGES:

- **Prevents any cross-contamination** for the surgical team and the patient: the system has a bacteriological filter and a vacuum valve that prevents any accidental reflux.
- **Convenient and time-saving:** waste management is simplified; moreover, the system is easy to clean and filters easily changed.
- **Preserves the dental unit:** the system retains the extracted material and, in doing so, effectively safeguards the pump filter of the dental unit against blockages.



1.3L capacity
Ref. HY-12033



1.8L capacity
Ref. HY-12036



3.2L capacity
Ref. HY-12039

ROLL STAND FOR SUCTION WASTE COLLECTOR

Height: 100cm
Diameter: 54cm



Ref. HY-12040

WASTE BAG

This polyethylene bag is specially made to collect contaminated material during surgery.
Dimensions: 22x35cm, capacity 2.5L

Advantages:

- **Increased attentiveness with waste handling** due to the red colour of the bag.
- **Easy to use:** the double adhesive prevents the dispersion of infected elements, and the tape leaves no residue after removal.



Ref. HY-034



Ref. HY-12043



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Your personalised kit in just three steps

STEP **1**

CHOOSE and ASSEMBLE the components.

A wide range of components.
Set up your own kit according to your needs, starting
from 5 different components.



STEP **2**

CUSTOMISE the packaging.

Add your company name and logo.



STEP **3**

ORDER and receive you personalised kits.

Your kit will be assembled promptly and delivered to
your desired location.



RECEIVE
A TEST KIT
FOR FREE

More details
on page 34



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